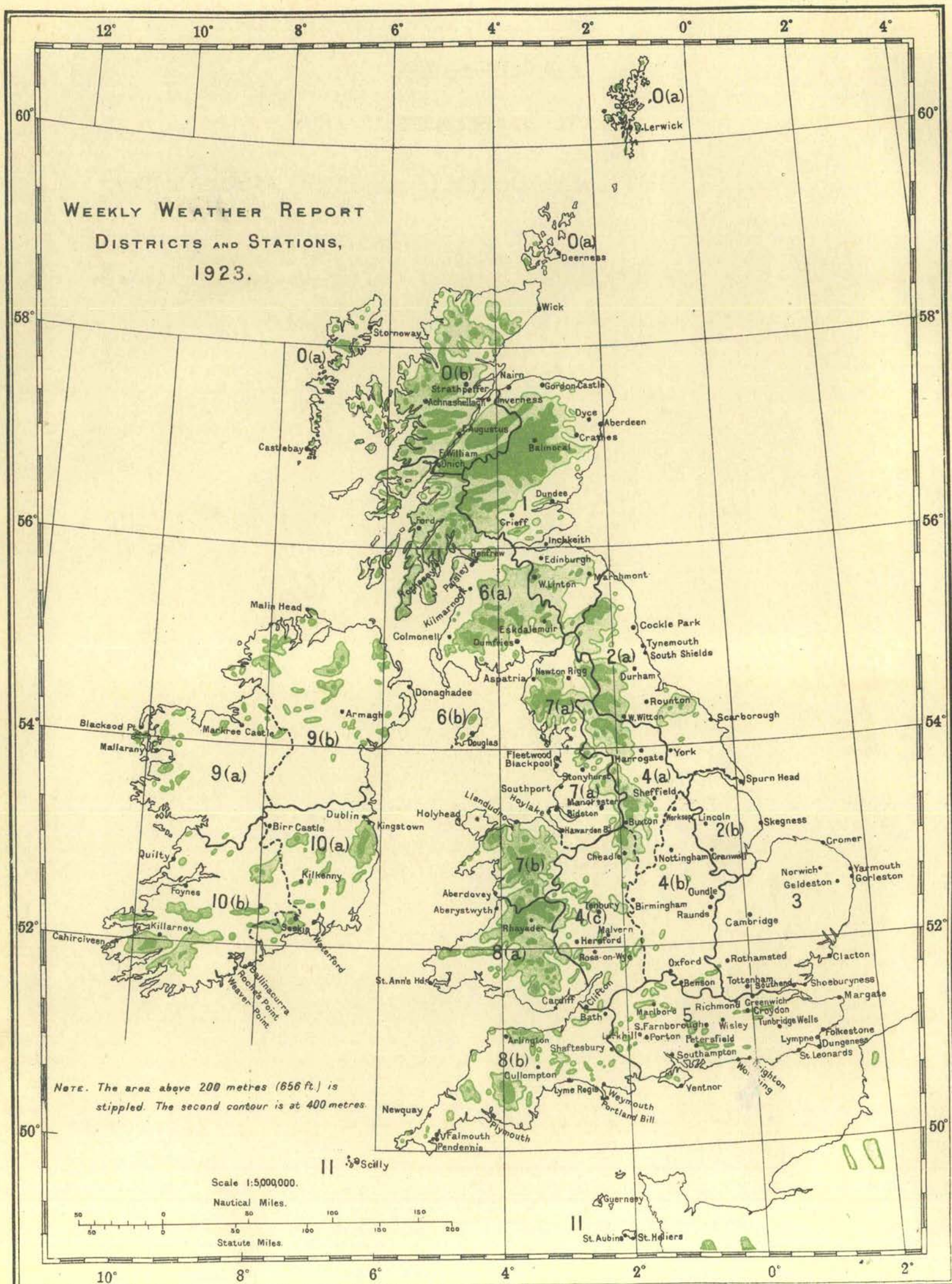




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AIR MINISTRY.

METEOROLOGICAL OFFICE.



THE

WEEKLY WEATHER REPORT, 1923.

(VOL. XL.—NEW SERIES.)

Particulars of Temperature, Rainfall and Bright Sunshine for each week.

Published by the Authority of the Meteorological Committee.



LONDON:

PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE BY
BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK STREET, LONDON, S.E.1.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased directly from
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1924.

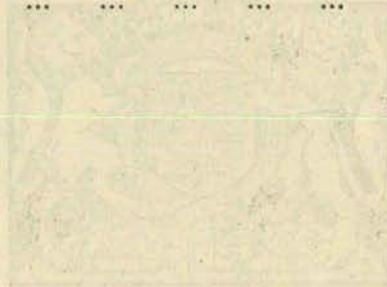
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THE WEEKLY WEATHER REPORT, 1923.

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PREFACE.

The serial statistical publications of the Meteorological Office for the year 1923 will be as follows:—

The Weekly Weather Report.

The Monthly Weather Report.

The British Observatories' Year Book. This will contain Geophysical data as well as Meteorological data.

Réseau Mondial. Monthly Values for Stations distributed over the Globe.

THE WEEKLY WEATHER REPORT.

The first number of the *Weekly Weather Report* was that for the first week of February, 1878. There were four pages royal 8vo. A new series commenced in 1884, when the page was enlarged to its present size. A short history of the Report is given in the Introduction for 1916; for further information reference may be made to the *Annual Report of the Meteorological Committee for the year ended 31st March, 1913*, p. 37.

The Report formerly consisted of two sections. Section I contained mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and summaries of the autographic records of wind: it is represented by the present volume. The publication of Section II, which consisted of daily weather charts of the North Atlantic and surrounding continents, was suspended in August, 1914. The Appendices published annually up to 1920 have now been discontinued.

A Guide to the Tables contained in the Weekly Issues of the Report forms pp. 1-4 of the Volume. An explanation of the system adopted in obtaining District Values will be found in the Guide.

No change of importance was made in the form of the weekly issues during 1923.

The normal Values used in this Report are, for the most part, published in the *Book of Normals* (see p. iv.). From the beginning of 1923, revised normals of weekly accumulated temperature for districts were, however, brought into use. These differ slightly from those published in the *Book of Normals*, as explained in the Preface to the *Weekly Weather Report* for 1921.

Observations from Ireland were received with great irregularity during the earlier part of the year. An improvement took place in the summer and the computations of district-values for Ireland were resumed regularly from the twenty-ninth week.

The stations used in the preparation of the Report and the districts into which the British Isles are divided for meteorological purposes are shown in the Frontispiece Map. Fuller particulars of the stations will be found in the Introduction to the *Monthly Weather Report*. The following changes have been made in the stations used for the computation of values for districts.

District 0.—A new station was opened at Onich, 9 miles S.W. of Fort William, to replace the latter station, in consequence of the cessation of observations there after the 22nd week. The observations made at Onich are used for the computation of district-values of rainfall and temperature.

District 3.—Observations ceased at Little Massingham from the beginning of the year. The station was previously used for computing district-values of rainfall, temperature and sunshine.

District 4.—The place of Raunds as a district-value station for rainfall and temperature was taken by Oundle as from the 45th week. The stations are only about 5 miles apart.

Owing to the observatory at Benson being closed at the end of September, Leafeld was used as a district-value station for pressure from the 40th week.

District 7.—Owing to the cessation of observations at Aberdovey at the beginning of the year, the district-values of sunshine for District 7 were computed, for the period January to June, without the inclusion of observations from a station in that neighbourhood. After the week ending June 30th, the sunshine values from Aberystwyth were used for the purpose, although Aberystwyth is actually just over the boundary in District 8.

District 11.—The station at Jersey was temporarily discontinued at the end of September and from the 41st week Guernsey was double-weighted for the district values of temperature, rainfall and sunshine and also used for mean pressure.

The following changes occurred in the stations of Table V (Summary of Autographic records of Wind):—

Records from new pressure-tube anemometers with direction recorders, which were erected at the civil aerodromes at Croydon and Lympne, were utilised for the preparation of weekly summaries as from the beginning of January.

The record from the anemometer formerly maintained by the Corporation of Brighton ceased after the 26th week.

The Robinson cup anemograph at Fleetwood which had been in operation since 1886, was replaced by a Dines pressure-tube-anemometer with direction recorder in December.

The following Table gives the district value stations utilised in 1923:—

DISTRICT-VALUE STATIONS, 1923.

District.	Temperature and Rainfall.	Sunshine.	Pressure.
0	Lerwick, Stornoway, Wick, Strathpeffer, Ach-na-shellach, Fort Augustus, Fort William (or Onich).	Deerness, Stornoway, Inverness.	Lerwick, Stornoway, Castlebay, Wick.
1	Nairn, Gordon Castle, Aberdeen, Balmoral, Crieff, Inchkeith, West Linton, Marchmont.	Crathes, Nairn, Aberdeen, Dundee, Marchmont, Edinburgh.	Nairn, Aberdeen, Inchkeith.
2	Cockle Park, Tynemouth, Durham, Rounton, Scarborough, York, Spurn Head, Lincoln, Cranwell.	Cockle Park, Durham, Scarborough, York, Cranwell, Skegness.	Tynemouth, Spurn Head, Cranwell.
3	Cromer, Yarmouth, Norwich, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Cromer, Yarmouth, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Yarmouth, Clacton-on-Sea.
4	Harrogate, Worksop, Nottingham, Birmingham, Raunds (or Oundle), Oxford, Cheadle, Tenbury, Hereford, Clifton.	Harrogate, Sheffield, Worksop, Nottingham, Birmingham, Oxford, Ross on Wye, Clifton.	Nottingham, Benson (or Leafield).
5	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Porton, Tunbridge Wells, Dungeness, St. Leonards, Southampton, Ventnor.	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Worthing, Tunbridge Wells, Folkestone, St. Leonards, Southampton, Ventnor.	Dungeness, Richmond (Kew Obs.).
6	Ford, Renfrew, Rothesay, Kilmarnock, Colmonell, Dumfries, Douglas.	—	Renfrew, Eskdalemuir.
7	Aspatia, Newton Rigg, Stonyhurst, Blackpool-Southport*, Liverpool, Hawarden Bridge, Manchester (Whit. Pk.), Llandudno, Holyhead.	Hoylake, Aspatia, Newton Rigg, Stonyhurst, Blackpool-Southport*, Llandudno, Aberystwyth	Liverpool, Holyhead.
8	Rhayader, Pembroke, Cardiff, Bath, Shaftesbury, Arlington, Cullompton, Portland, Plymouth, Falmouth.	Aberystwyth, Rhayader, Pembroke, Bath, Cullompton, Plymouth, Falmouth, Newquay.	Pembroke, Portland.
9	Malin Head, Blacksod Point (or Mallarany), Markree Castle, Birr Castle, Armagh, Donaghadee.	Markree Castle, Armagh.	Malin Head, Blacksod Point, Donaghadee.
10	Dublin (City), Kilkenny, Waterford, Birr Castle, Foynes, Killarney, Cahirciveen (Valencia Obs.), Roches Pt.	Dublin (Phoenix Park), Birr Castle, Cahirciveen (Valencia Obs.), Ballinacurra.	Cahirciveen (Valencia Obs.), Roches Point, Birr Castle.
11	Scilly, Jersey, Guernsey.	Scilly, Jersey, Guernsey.	Scilly, Jersey (or Guernsey).

* The average of Blackpool and Southport readings is taken as if referring to a single station.

THE BOOK OF NORMALS.—The normal values of some of the more important meteorological elements have been published from time to time in Appendices to this Report. The last of the series was Appendix IV, 1918, in which normals for periods ending 1910, were set out. This appendix is now replaced by "The Book of Normals of Meteorological Elements for the British Isles for periods ending 1915," which is being issued in the more convenient form of an octavo volume. Section I contains monthly normals for stations of Temperature, Rainfall and Sunshine, Section II is devoted to Weekly, Monthly, Quarterly and Seasonal Normals for Districts, Section III to maps of the normal distribution of Temperature, Rainfall and Sunshine for the British Isles, and Section IV to the range of variation of Temperature and Rainfall.

Meteorological Office,

London, S.W. 7,

March, 1924.

(1039) Wt. 124 lb/8550 750. 4/24. B. & F. Ltd, G95

G. C. SIMPSON,

Director.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES FOR THE YEAR 1923.

The information on the first page of each issue of the Weekly Weather Report is expressed as far as possible in words. The next three pages are devoted to statistics. The "District Values" to which reference is made on the first page are set out individually on the last page, whilst the station values from which the District Values are computed will be found on the two middle pages.

TABLE II. WIND COMPONENTS.

This table gives the frequency of occurrence of winds with components from north or south and from east or west, information which is frequently required, especially by medical men, when the conditions favourable to warmth, rainfall, and sunshine are under consideration. The information is given for various representative stations at which anemographs showing the direction of the wind as well as its speed are installed. Particulars as to the heights at which the instruments are exposed will be found in Table V. For further details, reference may be made to the Annual Summary of the Monthly Weather Report.

The records are tabulated to give the mean speed of the wind for the hours centring at 3h., 9h., 15h., and 21h. G.M.T. Directions are read to the nearest 10°, and the values of the wind components at each of the named hours are computed. The mean value of each component refers to the number of times it actually occurs—the "frequency" of the table. The means are in most cases computed in metres per second and converted to miles per hour. Direction is not tabulated when the speed of the wind is less than 3 miles per hour, and winds of less than that speed are counted as "calm."

It should be noted that if the mean direction for the hour is tabulated as E. or W., no north or south component is entered, accordingly the sum of the frequencies of north and south component and of "calms" is not always equal to 28.

TABLE III. WARMTH, RAINFALL AND SUNSHINE. COMPARISON WITH NORMAL.

The classification adopted in this table is based upon the Values for each District published in Table VI.

Warmth.—The week's warmth is called *unusual* if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked *very unusual* if it is likely to occur, for that week, only once in twelve years; similarly it is called *deficient* if it is so much below the normal for the time of the year that it is only likely to occur, for that week, once in three years, and *very deficient* if it is likely to occur, for that week, only once in twelve years. Otherwise it is called *moderate*.

Rainfall.—The week's rainfall is called *heavy* if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked *very heavy* if it is likely to occur, for that week, only once in twelve years; similarly it is called *light* if it is so much below the normal for the time of year that it is only likely to occur, for that week, once in three years, and *very light* if it is likely to occur, for that week, only once in twelve years. Otherwise it is called *moderate*. When the week has been without rain, the word *nought* is inserted in the column for the district.

Sunshine.—The week's sunshine is called *abundant* if it is so much above the normal for the time of year, that in the long run, it is likely to occur, for that week, only once in three years, and it is marked *very abundant* if it is likely to occur, for that week, only once in twelve years; similarly it is called *scanty* if it is so much below the normal for the time of the year that it is likely to occur, for that week, only once in three years, and *very scanty* if it is likely to occur, for that week, only once in twelve years. Otherwise it is called *moderate*. When the week has been without sunshine the word *nought* is inserted in the column for the district.

The classification for warmth may be put briefly in tabular form as below, and similar tables apply to rainfall and to sunshine.

CLASSIFICATION FOR WARMTH.

Number of weeks on the Average in 12 years.				
Very Unusual.	Unusual.	Moderate.	Deficient.	Very Deficient.
1	3	4	3	1

The normals referred to above are the smoothed normals of the weekly values published in the Weekly Weather Report for the 25 years 1881–1905. An account of the method of determining the limits of the various classes is given in a paper by R. G. K. Lemfert: "A New Method of Treating Meteorological Statistics," Journal of the Board of Agriculture, Vol. xiv., No. 1, April, 1907.

Summaries of the characteristics of the current season are also given. In the column for each district the first figure in the line for warmth denotes the number of weeks of *unusual* warmth, the last figure the number of weeks of *deficient* warmth, and the middle figure, in small type, the number of weeks of *moderate* warmth. *Very unusual* weeks are included with *unusual* weeks. Rainfall and sunshine are similarly dealt with.

TABLE IV. TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE BRITISH ISLES.

Temperature of the air.—In general the temperature of the air is obtained from self-registering maximum and minimum thermometers placed in a louvered screen, on a four-legged stand, at a height of about 4 feet above the ground. At the Royal Observatory, Greenwich, a Glaisher stand is in use, and the extreme readings by day and by night are likely to be respectively higher and lower than the air temperature. The hours of observation are generally those given in the Monthly Weather Report. For the observatories at Aberdeen, Eskdalemuir, Richmond and Cahirciveen the observations at 7h., and at 18h., are utilised.

At stations marked *a*, the extremes of temperature are for the 24 hours beginning or ending at the morning observations (generally at 9h. G.M.T.). At stations marked *p*, the extremes of temperature are for the 24 hours ending in the evening generally at 21h. From March 1, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day maximum and the night minimum and refer to the intervals 7h. to 18h., and 18h. to 7h. respectively. The thermometers in question are set twice a day. These stations are indicated by a "*t*" in the tables. From April 3, 1921, extremes of temperature at stations indicated by "*h*" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. The thermometers at these stations are set once a day, the maximum thermometer at 9h., the minimum at 17h. The rule with such stations is that the mean maximum and mean minimum refer to the specified interval, but that the extreme temperatures for the week are noted even when they occur at anomalous hours. If the highest temperature of the week occurs between 17h. on one day and 9h. on the next, it is credited to the calendar day on which it probably occurred.

The mean temperature published in this Report is calculated from the maximum and minimum but is intended to represent the true mean temperature for the week. It differs from half the sum of the means of the daily maxima and minima by an amount proportional for each month to the difference between these two means. If *X*

and N are the means of the daily maxima and minima, the amounts to be added or subtracted from $\frac{1}{2}(X+N)$ to get the mean temperature are shown in the following table:—

January and December	+ .02 (X-N)
February and November	Nil.
March and October	- .015 (X-N)
April and September	- .024 (X-N)
May and August	- .030 (X-N)
June and July	- .035 (X-N)

The table is based on formulæ proposed by Lieut.-General Sir Richard Strachey and derived from a discussion of the records at Greenwich and the First Order Observatories of the Meteorological Office. (See the Quarterly Weather Report of the Meteorological Office 1878, App.II.) In the summer the mean of the maximum and minimum temperatures is higher than the true mean for the day as the highest temperatures do not last for many hours. In midwinter it happens frequently that the same cold night gives a low minimum for two consecutive periods of 24 hours, so that the mean temperature derived from the maximum and minimum readings is too low and requires a positive correction. Strachey's investigation referred in the first instance to maxima and minima for the 24 hours ending at midnight. The formulæ are used in this report for readings at 9h. and 21h., and also for the day maxima and night minima. Recent investigation has shown, however, that even under these circumstances the "Strachey Mean" is a fair approximation to the true mean. The correction to be applied to the "mid-temperature" i.e., $\frac{1}{2}(X+N)$ to obtain the Strachey Mean is about -0.6°F . in summer months, and $+0.1^{\circ}\text{F}$. or $+0.2^{\circ}\text{F}$. in winter. It should be noted that "Strachey Means" are not utilised in the station table of the Monthly Weather Report (Table III.) which is therefore not directly comparable with Table IV of the Weekly Weather Report.

Temperature on the Grass.—The "temperature on the grass" is obtained from a minimum thermometer whose stem is protected by an outer glass tube. The thermometer is placed so that it is just level with the top of short grass, i.e., about 2 inches above the ground. The grass minimum thermometer does not record the temperature of the air at its own level but rather its own temperature, i.e., that of a bulb filled with spirit, losing heat by radiation in all directions and receiving heat by radiation from the clouds, from the atmosphere itself, from the ground and from surrounding objects, and by contact with the air. Although the thermometer does not give the temperature of the air or of the grass-blades, its readings do indicate the circumstances in which those temperatures are high or low. A night is reckoned as a night of ground frost if the minimum indicated is 30.4°F . or below.

Temperature in the ground.—The temperature of the ground is obtained from an "earth thermometer," a thermometer whose bulb is embedded in a non-conducting material (usually paraffin wax)

Sunshine.—The records are obtained from the Campbell-Stokes recorder in which the sun's rays are concentrated upon a blue card by means of a lens of a definite size and refractive index. The specification is given in the Observers' Handbook. The trace during intermittent sunshine is extended by charring of the card beyond the true limits at which the sun emerges and is obscured, and an allowance, resting on long practice, is made for this extension. The allowance is less than that which would reduce the record of intermittent burns of short duration in very bright sunshine sufficiently to give the actual time during which the sun was unobscured. The values are, therefore, on the average slightly in excess of the actual duration of sunshine of intensity sufficient to scorch the card.

The possible duration of sunshine with which the recorded duration is compared is the length of the day beginning and ending when the centre of the sun would be visible in the horizontal plane through the station, if it were not for obstruction by hills, &c. Allowance is made for the refraction of the light. It should be noted, however, that in the most favourable circumstances, the Campbell-Stokes instrument does not record sunshine when the sun is less than 3° above the horizon (see "Book of Normals," Sec. 1. p. 87), so that 100 per cent. of the possible duration never occurs.

TABLE V. SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

The records utilised in this table are obtained from instruments of the Dines Tube type except where otherwise stated. The trace is made by recording the rise and fall of a float which is lifted partly by the pressure of the wind in an open horizontal tube facing the wind, and partly by the suction of the wind passing rows of holes in a vertical tube. The trace has the appearance of a ragged ribbon of varying width and the mean velocity for an hour is obtained by taking a line running along the middle of the ribbon and estimating its mean height above the base line for the period from 30 minutes before to 30 minutes after an exact hour of Greenwich Mean Time.

In setting out the distribution of winds according to mean speeds the limits assigned to the several numbers of the Beaufort scale of wind-force have been observed.

It is now recognised that the mean speed of the wind varies rapidly with height so that the same gale will be represented by different wind speeds recorded by two anemometers at different heights at the same place. Of the anemometers which were used in the discussion * of the Beaufort scale by Simpson those at Scilly had the best exposure. Accordingly the table which is based on that discussion may be regarded as giving the speed measured at 10 meters (33 ft.)

Beaufort Scale.	Calm. 0	Light Air 1	Slight Breeze. 2	Gentle Breeze 3	Modt. Breeze. 4	Fresh Breeze. 5	Strong Breeze. 6	High Wind. 7	Gale. 8	Strong Gale. 9	Whole Gale. 10	Storm. 11	Hurricane. 12
Mean wind speed at 33 feet.	mi/hr { Less than 1 to 3	1 to 3	4 to 7	8 to 12	13 to 18	19 to 24	25 to 31	32 to 38	39 to 46	47 to 54	55 to 63	64 to 75	Above 75
		0.3 to 1.5	1.6 to 3.3	3.4 to 5.4	5.5 to 7.9	8.0 to 10.7	10.8 to 13.8	13.9 to 17.1	17.2 to 20.7	20.8 to 24.4	24.5 to 28.4	28.5 to 33.5	Above 33.5
W.W.R. groups ...	<----->												

contained in a glass tube about 1 inch in diameter. The whole thermometer is placed in an iron tube closed at the bottom and covered at the top by a metal lid which prevents the entrance of water into the tube. For the readings, which are usually made at 9h. G.M.T., the thermometer is pulled up from the tube. Separate iron tubes are used for the thermometers at depths of 1 foot and 4 feet.

Rainfall.—The rainfall refers to the period of 24 hours beginning at the hour of morning observation, i.e., the measurement made in the morning is entered to the preceding day. The gauges are of 8 inch or 5 inch diameter and the rims are 1 foot above the ground.

In counting the number of days of precipitation at a station where the measurements are made in hundredths of an inch, credit is given for every entry (even .01 in.). At a station where the measurements are in millimetres, readings of 0.1 mm. are ignored and the number of days of precipitation includes only days with 0.2 mm. or more.

above the ground in the open corresponding with winds of various strengths as judged by the effect on shipping at sea or on trees, &c., on land.

The classification of the winds in Table V. of the Weekly Weather Report is such that for an anemometer well exposed at 33 ft., the groups correspond with Beaufort-forces 0 and 1, 2 and 3, 4 and 5, 6 and 7, 8 and above respectively. For all the anemometers the same limits of wind speed are adopted.

The adjustment of the recording part of a Pressure Tube anemograph to give correct readings in the lower part of the scale is difficult so that in using the table of wind distribution less weight should be attached to the distinction made between the two lowest groups than to the other breaks in the series.

* "The Beaufort Scale of Wind Force," London, Meteorological Office, 1906.

The highest hourly wind refers to an hour centring at an exact hour of G.M.T. The speed is expressed in metres per second and in miles per hour. The direction is given in degrees measured from North through East. It is referred to true, that is geographical, as distinguished from magnetic, North.

The direction of the mean velocity is estimated from the direction record in a manner similar to that used for the estimation of mean speed.

The gusts are obtained by taking the highest excursion on the "ribbon." The direction of a gust is taken as nearly as possible for the instant at which the gust occurs.

Times are Greenwich Mean Civil Time (Noon G.M.T.=12h., 6 p.m.=18h.). Summer Time is not used. When an anemometer is on the top of a building the approximate height above the top of the building is shown in the appropriate column. For stations where the head of the anemometer is supported on a pole rising direct from the ground or from an iron skeleton tower which does not interfere with the wind sufficiently to affect appreciably the recorded speed, the symbol ‡ signifying "standard mounting" is shown in this column.

TABLE VI. DISTRICT VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

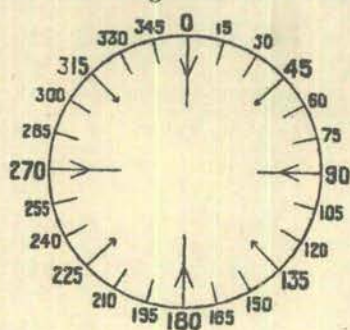
District-Values.—Except in the case of "Accumulated Temperature" the District-Values are the means of the station-values for each district.

The stations used for the computation of district-values have not been the same during the whole history of the Report, but when a station lapses it is, if possible, replaced by another in the neighbourhood for which the averages of rainfall, temperature and sunshine are similar.

Since 1917 a list of the stations has been given in the Introduction to each annual volume of the Weekly Weather Report. Previously the stations were indicated by the use of appropriate type in the weekly tables.

The District-Values of Pressure are obtained from observations at 7h. and 18h. published in the Daily Weather Report. No correction for diurnal range is applied.

Accumulated Temperature.—The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or base-temperature. For Districts, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42°F., as being nearly equivalent to 6°C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10°F. above the freezing point on the Fahrenheit scale.



To compute the accumulated temperature accurately, it would be necessary to integrate the excess of temperature above the critical limit by utilising instantaneous values throughout the period. In practice it is necessary to make an approximation. Rules for this purpose were devised by the late Lieutenant-General Sir Richard Strachey, F.R.S., and set out in the Quarterly Weather Report, Appendix II, 1878.

There are four cases to be considered which are differentiated by the relation of the critical temperature 42°F. to the maximum, minimum and mean temperatures.

In each case the accumulated temperature is found from the District-Values of Maximum and Minimum Temperature and from the "Strachey-Mean."

The mean maximum temperature in Fahrenheit degrees being denoted by X, the mean minimum by N, and the "Strachey-Mean" (see above) by S, the rules may be summarised as follows* :—

Condition.	Daily Accumulated Temperature.	
	Above 42°F.	Below 42°F.
N not below 42	(S—42)	0
S above and N below 42	(S—42) + $\frac{2}{3}$ (42—N)	$\frac{2}{3}$ (42—N)
X above and S below 42	$\frac{2}{3}$ (X—42)	(42—S) + $\frac{2}{3}$ (X—42)
X not above 42.	0	(42—S)

The average daily values obtained in the manner described are multiplied by 7 to obtain the values for the whole week.

NORMALS.

The normals of air temperature and of rainfall and sunshine for the individual stations in Table IV. are based upon the monthly normals for these stations for the years 1881-1915. [See "The Book of Normals," M.O. 236, Section I.] The present normals have been in use since the first week of 1917. The normals for rainfall at the following stations have been amended, however. The revised figures are being adopted from the beginning of 1923.—Kilmarnock, Rounton, Cromer, Southend, Harrogate, Sheffield, Nottingham, Raunds, Hereford, Tunbridge Wells, Portland Bill, Guernsey.

The averages for Ground Temperature used in Table IV. were computed from the weekly values published in the Reports for the years 1907-1920. No correction has been applied to the averages for shorter periods in the case of stations for which values for the whole 14 years were not available.

The normals used in Table VI. are derived from the weekly district values published in the Report but they have been adjusted in some cases where the selection of stations for the district differed materially from the selection now used. These normals are for the 35 years 1881-1915 and are printed in "The Book of Normals," Section III.

* Readers concerned with the data for earlier years should consult the Preface to the Weekly Weather Report, 1921, where a systematic error in the computations is discussed. Two of the formulae in use for computing accumulated temperature up to that year were defective and not in accordance with General Strachey's instructions.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CAMBRIDGE; 23, FORTH STREET, EDINBURGH.FORTY-SIXTH YEAR. } No. 1.
Vol. XL. (New Series) }

FIRST WEEK.

SUNDAY, DECEMBER 31ST, 1922, TO SATURDAY, JANUARY 6TH, 1923.

Price 9d. Net, Post free 3d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather of the week was again changeable and unsettled, with bright intervals. Rain fell on several days and hail was reported at a number of stations. A thunderstorm occurred at Fort William on January 1st. There were several good records of sunshine obtained during the week, notably on the Saturday, when a large number of stations registered between 6 and 7 hours. The mean temperature was in excess of the normal in all districts. Maximum temperatures of 50°F. and above were recorded at most stations, generally during the first three days of the week, the highest reading being 56°F. at Hawarden Bridge (Cheshire) and Llandudno on January 2nd. There were no very low minimum temperatures registered over England and Ireland, but in Scotland, at Eskdalemuir and at Ford (Argyll), the screen minimum thermometers registered readings of 19°F. and 20°F. respectively, on the morning of January 1st. Ground frosts were recorded in all parts of the country, the lowest readings of the grass thermometer

being 15°F. at Eskdalemuir and Renfrew and 16°F. at Rhayader (Radnor). The total amount of rainfall for the week was above the normal in all districts. Amongst the largest individual measurements were 25mm. at Fort William and 23mm. at Achnashellach on January 1st, 26mm. Eskdalemuir and 22mm. at Fort Augustus on the 2nd, 34mm. at Mallarany and 20mm. at Markree Castle (Sligo) on the 4th, 22mm. at Falmouth and 20mm. at Arlington (Devon) on the 5th, and 20mm. at Rhayader (Radnor) on the 6th. The total amount of sunshine for the week was generally above the normal. The departure from the normal for the week ranged from +1.7 hours a day at Durham to -0.2 hours at Nottingham, Markree Castle, Cahirciveen (Valencia Obs.) and Scilly. Solar and lunar halos were observed on various dates at a number of stations. A parhelion was witnessed at Oxford on January 1st and 6th. A lunar rainbow was seen at Inverness on January 3rd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.	Fre-quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	14	21	9.5	17	14	6.4	14	12	5.3	13	8	3.5	12	16	7.2	10	14	6.1	23	11	4.7	—	—	—
North	14	19	4.0	5	4	1.7	9	5	2.1	7	5	2.1	14	11	4.9	14	17	7.5	2	3	1.4	—	—	—
West	17	10	4.4	27	13	5.8	23	6	2.9	22	6	2.9	23	15	6.7	24	18	7.9	22	16	7.2	—	—	—
East	7	12	5.4	0	—	—	0	—	—	0	—	—	2	4	1.6	1	3	1.4	4	3	1.3	—	—	—
Calm (or wind-speed < 4 m.p.h.)	0	—	—	0	—	—	4	—	—	6	—	—	0	—	—	1	—	—	1	—	—	—	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth	.. Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	—	—	Moderate	
	Rainfall	.. Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	—	—	Heavy	
	Sunshine	.. Abundant	Very Abundant	Abundant	Abundant	Abundant	Abundant	—	Abundant	Abundant	Moderate	—	Abundant	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 5 weeks from Dec. 3rd, 1922.	Warmth ..	1, 4, 0	2, 3, 0	2, 3, 0	3, 2, 0	4, 1, 0	1, 4, 0	1, 4, 0	3, 2, 0	1, 4, 0	—	—	1, 4, 0
	Rainfall ..	2, 3, 0	3, 0, 2	2, 2, 1	3, 0, 2	3, 0, 2	3, 0, 2	3, 1, 1	3, 1, 1	3, 0, 2	—	—	3, 0, 2
	Sunshine ..	3, 2, 0	2, 3, 0	2, 2, 1	3, 1, 1	3, 0, 2	3, 1, 1	—	2, 1, 2	1, 2, 2	1, 2, 2	—	1, 2, 2

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.						
			Highest	Date	Lowest	Date	Mean for the Week			No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean							Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																							
Shetlands	Lerwick	54	t	49	3rd	34	31st	44.3	38.0	41.3	+2.2	6	0.87	22	0	Lerwick	0.9	—	15	—	—	—	—
Orkneys	Deerness	160	p	47	5th	35	1, 6	43.9	37.9	41.0	+2.0	7	0.95	24	+6	Deerness	1.5	+0.8	24	—	—	—	—
Hebrides	Stornoway	51	t	—	—	—	—	—	—	—	—	—	—	—	—	Stornoway	—	—	—	—	—	—	—
	Castlebay	37	t	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—
Caitness	Wick	81	t	45	2, 5	30	6th	41.4	35.1	38.4	+0.4	7	0.71	18	+5		—	—	—	—	—	—	—
Ross and Cromarty	Strathpeffer	125	a	45	4th	29	2, 6	42.7	33.3	38.2	+1.2	5	1.43	36	+20		—	—	—	—	—	—	—
Inverness	Achnashellach	225	h	47	2nd	28	1st	41.7	34.6	38.3	—	7	3.32	84	—	Achnashellach	—	—	4	24	—	—	—
	Inverness	242	h	47	5th	31	2nd	41.1	35.4	38.4	—	5	1.03	26	—	Inverness	1.6	—	24	12	27	—	—
	Fort Augustus	68	a	47	1st	26	1st	43.7	33.6	38.9	+1.3	7	2.09	53	+26		—	—	—	—	—	—	—
	Fort William	171	p	52	2nd	28	1st	44.1	35.7	40.1	+1.3	6	3.33	85	+38		—	—	—	—	—	—	—
1. SCOTLAND, E.																							
Nairn	Nairn	82	t	46	2, 5	32	1st	41.4	35.9	38.8	+1.8	6	0.56	14	+2	Nairn	1.8	—	27	—	—	—	—
Elgin	Gordon Castle	101	p	50	2nd	33	1, 6	43.7	35.0	39.5	+1.6	5	0.77	20	+7	Elgin	1.6	—	24	—	—	—	—
Aberdeen	Aberdeen	46	t	49	2nd	31	6th	42.0	35.1	38.7	+1.0	5	1.11	28	+13	Aberdeen	2.2	+1.1	33	4	20	—	41.6
	Balmoral	930	a	47	1, 2	26	2, 6	41.9	30.1	36.2	+2.1	6	0.71	18	+2	Balmoral	—	—	4	22	—	—	—
Perth	Crieff	478	p	49	2nd	27	1st	42.7	32.1	37.6	+0.8	6	2.07	53	+29	Perth	2.5	+1.3	36	4	19	36.5	40.2
Forfar	Dundee	—	a	48	2nd	30	1, 2	42.7	34.0	38.5	+1.7	5	0.80	20	+7	Dundee	2.1	—	31	3	26	37.9	—
Fife	Inchkeith	190	t	51	2nd	33	1st	43.6	37.7	40.8	—	4	0.25	6	—	Inchkeith	2.3	—	33	1	29	—	—
Midlothian	Edinburgh	441	p	52	2nd	33	1st	43.4	35.4	39.6	+1.7	5	0.57	15	+4	Edinburgh	2.7	+1.4	38	4	28	—	—
Peebles	West Linton	779	a	50	2nd	22	1st	45.0	28.6	37.1	+3.1	6	0.70	18	—	West Linton	—	—	6	17	—	—	—
Berwick	Marchmont	498	a	49	2nd	28	1st	43.0	33.0	38.2	+1.9	5	0.91	23	+9	Marchmont	2.1	+1.0	29	—	—	—	—
6a. SCOTLAND, W.																							
Argyle	Ford	149	a	52	1st	20	1st	46.7	31.4	39.4	—	6	2.89	73	—	Ford	—	—	—	4	24	39.0	43.2
Renfrew	Renfrew	49	t	53	2nd	26	1st	42.9	34.1	38.7	—	6	1.64	42	—	Renfrew	0.8	—	11	4	15	—	—
Bute	Rothsay	200	p	50	2nd	31	1st	44.3	35.7	40.2	+0.9	6	2.45	62	+34	Rothsay	0.4	—	6	3	26	39.3	43.3
Ayr	Kilmarnock	90	a	52	1st	26	1st	47.1	34.1	40.9	+3.4	6	1.63	41	+20	Ayr	0.7	—	10	—	39.1	—	44.0
	Colmonell	170	a	51	1, 2	25	1, 2	48.0	34.7	41.6	+2.6	6	2.00	51	+23	Colmonell	—	—	2	20	—	—	—
Dumfries	Dumfries	140	p	50	2nd	27	1st	44.1	34.7	39.6	+1.9	6	0.82	21	+2	Dumfries	1.6	—	22	6	19	39.1	43.0
	Eskdalemuir	794	t	47	2nd	19	1st	40.0	30.7	35.5	—	6	2.59	66	—	Eskdalemuir	1.7	—	24	6	15	39.1	43.0
6b. ISLE OF MAN.																							
I. of Man	Douglas	284	h	50	2nd	34	1st	46.3	38.1	42.4	+1.7	6	1.85	47	+24	Douglas	2.0	+0.7	27	1	27	—	—
2. ENGLAND, N.E.																							
Northumberland	Cockle Park	324	p	51	2nd	30	1st	42.9	33.1	38.2	+1.7	5	0.35	9	—8	Cockle Park	—	—	—	7	19	36.8	40.6
Durham	Tynemouth	118	t	51	2nd	34	1, 6	43.1	36.4	39.9	+1.5	5	0.54	14	+1	Tynemouth	—	—	—	3	28	—	40.6
Durham	Durham	336	p	50	2nd	28	1st	43.4	32.6	38.2	+1.3	4	0.51	13	+1	Durham	2.8	+1.7	38	4	20	—	—
York	Rounton	249	p	51	2nd	28	1st	42.7	33.1	38.1	+1.2	5	0.52	13	0	Rounton	—	—	—	6	17	37.4	—
N. Riding	West Witton	605	a	51	2nd	28	1, 2	45.1	33.0	39.3	—	6	0.67	17	—	West Witton	—	—	—	5	23	37.2	41.4
	Scarborough	118	h	52	2nd	34	1st	45.0	37.1	41.2	+2.7	5	0.69	18	+3	Scarborough	2.4	+1.4	31	—	—	42.0	—
	York	56	p	52	2nd	29	6th	44.4	34.1	39.5	+1.7	4	0.70	18	+5	York	2.0	+1.3	27	—	—	39.6	43.4
E. Riding	Spurn Head	26	t	50	2nd	35	1, 5	42.9	37.6	40.4	+1.9	4	0.63	16	+5	Spurn Head	2.5	—	33	—	—	—	—
Lincoln	Lincoln	58	a	53	2nd	31	1st	46.0	34.7	40.6	+3.5	4	1.08	27	+14	Lincoln	—	—	—	3	28	38.1	42.6
	Cranwell	237	t	52	2nd	31	1st	43.4	35.1	39.4	+2.3	5	0.87	22	+9	Cranwell	2.8	+1.7	37	4	28	—0.2	42.6
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.7	+1.2	33	—	—	—	—
Norfolk	Cromer	196	a	51	2nd	30	5th	46.1	36.7	41.6	+3.6	5	0.45	11	0	Cromer	2.7	+1.0	33	—	—	—	—
	Yarmouth	13	t	49	2nd	33	5th	45.1	37.1	41.3	+3.5	4	0.48	12	—1	Yarmouth	2.6	—	34	2	26	40.4	43.9
	Norwich	93	a	51	2nd	29	5th	44.4	34.4	39.6	+2.2	6	0.89	23	+8	Norwich	2.2	—	29	5	23	37.7	—
	Gelestone	37	a	51	2nd	26	5th	45.2	34.3	40.0	+2.0	5	0.65	16	+3	Gelestone	2.4	+0.9	31	—	—	—	—
Cambridge	Cambridge	41	p	53	2nd	28	5th	44.1	32.6	38.6	+1.0	5	0.91	23	+12	Cambridge	2.6	+1.2	33	5	20	40.0	44.1
Hertford	Rothamsted	420	a	51	2nd	26	5th	45.3	34.4	40.1	+2.8	6	0.94	24	+9	Rothamsted	2.7	+1.3	34	6	21	38.8	—
Middlesex	Tottenham	51	p	53	2nd	31	5th	46.3	37.6	42.1	—	5	0.85	22	—	Tottenham	1.2	—	15	—	—	—	—
Essex	Clacton-on-Sea	54	t	46	2, 3	30	5th	44.4	37.3	41.0	+3.0	5	0.43	11	+1	Clacton-on-Sea	2.4	+0.9	31	1	27	40.7	44.2
	Southend	90	h	50	2nd	30	5, 6	45.6	35.0	40.5	—	6	0.55	14	—	Southend	1.9	—	24	2	28	41.0	—
4. MIDLAND COUNTIES.																							
York	Harrogate	479	h	51	2nd	29	1st	43.7	34.0	39.0	+2.4	6	0.94	24	+6	Harrogate	2.8	+1.5	37	4	22	38.9	41.1
W. Riding	Sheffield	429	p	52	2nd	35	1, 5	45.1	37.4	41.4	—	6	0.71	18	—1	Sheffield	2.2	+1.1	29	3	29	38.1	41.6
Derby	Buxton	987	p	49	2nd	29	1st	41.3	34.4	38.0	+2.7	5	1.71	43	+11	Buxton	0.6	—	8	2	24	36.5	40.6
Nottingham	Worksop	56	a	53	2nd	28	1st	46.7	33.4	40.3	+2.9	5	0.55	14	+1	Worksop	1.7	+0.7	22	6	19	38.6	42.2
	Nottingham	82	t	54	2nd	31	1, 5	45.1	35.4	40.4	+2.8	6	0.79	20	+8	Nottingham	0.7	—0.2	9	4	25	38.3	41.4
Warwick	Birmingham (Edg.)	525	p	50	2nd	34	5, 6	44.1	36.9	40.6	+2.0	6	1.25	32	+17	Birmingham	1.5	+0.6	19	4	24	40.4	45.0
Northampton	Raunds	213	a	52	2nd	29	5th	46.9	34.3	40.9	+4.3	5	0.69	17	+4	Raunds	2.8	—	35	5	25	39.9	—
Oxford	Oxford	208	p	53	2nd	33	1, 5	45.3	35.9	40.8	+2.4	6	1.27	32	+19	Oxford	2.7	+1.3	34	4	23	—	—
Stafford	Cheadle	646	a	50	2nd	31	1, 2	44.6	34.0	39.5	+3.1	6	1.33	34	+16	Cheadle	—	—					

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground	Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.																
Cardigan	Aberystwyth	16	h	52	2nd	35	1st	48.1	40.4	44.4	—	7	1.40	36	—	Aberystwyth	1.7	+0.3	23	—	—	—	—	—	—	—
Pembroke	St. Ann's Hd.	149	t	51	2nd	38	1st	47.9	42.4	45.3	+2.2	5	1.00	25	+3	St. Ann's Hd.	2.4	+0.9	31	—	—	—	—	—	—	—
Radnor	Rhayader	757	a	51	2nd	29	1st	46.1	34.1	40.3	—	7	2.00	51	—	Rhayader	1.5	—	20	4	16	—	—	—	—	—
Glamorgan	Cardiff	202	p	52	2nd	33	1.5	47.1	36.6	42.1	+2.8	6	1.39	35	+11	Cardiff	3.0	—	38	4	26	40.2	-1.0	44.9	0.0	
8b. ENGLAND, S.W.																										
Somerset	Bath	66	h	54	2nd	30	1st	46.9	35.9	41.6	+2.0	5	1.15	29	+13	Bath	1.7	+0.3	21	—	—	41.0	—	45.0	—	—
Dorset	Shaftesbury	722	a	50	2nd	31	1, 2, 6	45.9	34.0	40.2	+2.2	5	0.78	20	+3	Shaftesbury	—	—	—	—	—	40.8	—	44.0	—	—
Devon	Portland Bill	19	t	51	2, 3	36	1st	49.1	41.0	45.2	+2.3	5	0.93	23	+8	Weymouth	4.3	—	43	—	—	—	—	—	—	—
	Arlington	613	a	51	2nd	30	1st	47.9	36.8	42.6	+2.0	6	2.09	53	+22	Callumpton	2.8	+1.5	35	4	18	41.9	—	—	—	—
	Cullompton	202	a	53	2nd	26	1st	49.7	34.1	42.2	+2.2	6	1.37	35	+14		1.9	+0.3	24	1	27	42.9	-0.6	46.9	—	—
Plymouth		116	p	52	2nd	32	1st	48.9	38.7	44.0	+1.3	7	1.68	43	+21											
Cornwall	Newquay	190	h	53	2nd	34	1st	48.4	41.9	45.3	+1.4	6	1.25	32	+12	Newquay	1.9	+0.2	24	—	—	44.8	—	47.6	—	—
	Falmouth	167	h	52	2, 3	36	1st	49.1	41.4	45.4	+1.6	7	1.85	47	+18	Falmouth	2.4	+0.7	30	2	26	42.8	—	46.0	—	—
9. IRELAND, N.																										
Donegal	Malin Head	71	t	51	2nd	34	1st	45.4	38.7	42.2	+1.2	7	1.88	48	+31	Malin Head	1.0	—	13	—	—	—	—	—	—	—
Mayo	Blackod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—											
Sligo	Mallarany	120	a	55	6th	34	31.1	48.9	38.1	43.7	—	7	3.90	99	—	Mallarany	0.9	—	11	2	26	—	—	—	—	—
	Markree Castle	122	p	53	2nd	25	1st	46.3	34.7	40.7	+1.2	7	2.58	66	+42	Markree Castle	1.0	-0.2	13	3	21	40.5	-1.3	45.3	+0.1	—
Armagh	Armagh	204	p	52	2nd	28	1st	45.4	34.9	40.4	+1.1	7	1.19	30	+14	Armagh	1.5	+0.2	20	2	24	40.3	-0.6	44.3	+0.1	—
Down	Donaghadee	35	t	51	2nd	33	6th	44.9	37.7	41.4	+0.9	7	1.18	30	+14											
10. IRELAND, S.																										
Dublin	Dublin City	54	p	54	2nd	30	1st	46.1	36.6	41.5	-0.3	5	0.83	21	+7	Trinity Coll.	—	—	—	3	27	40.6	-1.3	44.5	-0.4	—
King's County	Birr Castle	175	t	53	2nd	27	1st	45.6	36.0	41.0	+1.1	—	—	—	+7	Phoenix Park	2.4	+0.8	32	4	21	—	—	—	—	—
Kilkenny	Kilkenny	195	a	53	1st	27	31.1	48.4	31.7	40.4	+0.4	6	0.89	23	+3	Dublin City	—	—	—	3	25	—	—	—	—	—
Waterford	Waterford	137	a	55	6th	30	1st	48.9	36.3	42.9	+1.0	6	0.98	25	+1	Birr Castle	—	—	—	—	3	20	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	53	2nd	33	31.1	46.9	36.1	41.7	—	6	0.92	23	—	Seskin	1.8	—	23	1	30	—	—	—	—	—
Limerick	Foynes	50	a	55	1st	36	6th	49.4	39.1	44.5	+2.5	7	1.19	30	+5											
Kerry	Cahiriveen (Val.O.)	30	t	53	1st	35	1st	49.6	42.9	46.4	+1.9	7	1.13	29	-7	Cahiriveen	1.2	-0.2	16	0	32	—	—	—	—	—
	Killarney	174	a	—	—	—	—	—	—	—	—	—	—	—	—	(V.O.)										
Cork	Roche's Point	32	t	52	2nd	37	6th	48.4	41.6	45.1	+1.4	7	0.90	23	-5	Ballinacurra	1.7	+0.1	22	—	—	—	—	—	—	—
11. CHANNEL, ISLES & SCILLY.																										
Scilly	St. Mary's	131	t	52	2nd	41	6th	50.1	44.4	47.4	+1.3	5	0.76	19	-1	Scilly	1.6	-0.2	20	—	—	—	—	—	—	—
Guernsey	Grange	173	p	54	2nd	37	1st	50.4	41.3	46.0	+2.2	6	1.37	35	+16	Grange	2.7	+0.9	33	2	27	43.6	-1.5	47.0	-1.0	—
Jersey	St. Aubins	25	t	55	2nd	34	5th	50.1	41.1	45.8	+2.4	7	0.96	25	+5	St. Heliers	3.2	+1.2	39	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, January 6th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Orkneys **Deerness (Cup Anr.)	188	16	5	2, 5	4	2, 3, 5	34	88	40	2	0	160	43	19	2	4	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	†	—	0	—	—	64	89	2	13	220	24	11	3	4	45	20	3	3	45
Edinburgh Edinburgh ...	485	39	31	—	0	2, 3, 5	36	75	57	0	0	200	36	16	2	7	60	27	2	20	20
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	2	8	59	(82)	(19)	0	190	30	14	2	20	60	27	2	10	10
Dumfries Eskdalemuir ...	825	60	22	—	0	2, 3	21	49	50	46	2	210	33	15	2	18	50	22	2	18	10
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	2, 5	3	91	73	1	0	200	27	12	5	13	44	20	2	23	0
York, E.R. Spurn Head ...	67	41	†	—	0	2, 3, 5, 6	35	95	38	0	0	190	31	14	2	13	41	19	2	13	20
Lincoln Cranwell ...	280	43	31	—	0	2	1	59	(101)	(7)	0	210	25	11	2	14	34	15	2	13	45
3. ENGLAND, E.																					
Norfolk Gorleston ...	62	42	†	—	0	2, 5	14	42	98	14	0	190	29	13	5	19	40	18	2	16	10
Essex Shoeburyness...	103	90	†	—	0	2, 3, 5	26	77	65	0	0	210	33	15	2	16	44	19	2	19	15
5. ENGLAND, S.E.																					
*Surrey Richmond	82	65	7	—	0	—	0	40	98	30	0	220	21	9	2	15	—	—	—	—	—
Kent Lympne ...	409	70	†	—	0	2, 5	16	68	74	10	0	220	32	14	2	19	45	20	2	19	5
Surrey Croydon ...	284	40	24	—	0	—	0	45	105	17	1	210	23	10	2	16	42	19	2	16	40
Hampshire Petersfield	811	42	†	—	0	—	0	49	110	3	6	210	20	9	2	17	38	17	2	17	20
Sussex Brighton ...	261	53	0	—	0	5	2	38	59	11	58	—	28	13	5	19	41	19	5	18	55
Hampshire S. Farnboro'	444	160	—	—	0	2, 3, 5	13	95	58	2	0	220	32	14	2	15	54	24	2	15	25
Wiltshire Larkhill, S'y	513	63	43	—	0	2, 3, 5	15	114	(39)	(0)	0	230	31	14	2	16	42	19	2	12	40
7a. ENGLAND, N.W.																					
Lancashire Fleetwood	109	44	—	—	0	2, 3, 5, 6	24	76	60	8	0	250	29	13	3	17	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	2 to 6	45	61	60	2	0	230	33	15	2	13	48	21	—	—	—
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	†	—	0	1 to 6	71	61	36	0	0	260	34	15	3	16	51	23	2	0	5
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	5	2	1, 2, 5	18	51	72	25	0	—	40	18	5	12	49	22	5	11	55
Cornwall Pendennis	256	65	24	2	2	1, 2, 3, 5, 6	30	62	60	14	0	220	40	18	2	13	56	25	2	13	30
10. IRELAND, S.																					
Dublin Kingstown	40	27	—	—	0	1 to 6	45	84	34	5	0	230	33	15	2	20	—	—	—	—	—
Clare Quilty ...	100	40	†	—	0	31 to 3, 5, 6	71	76	21	0	0	—	37	17	2	14	60	27	2	11	30
Kerry Cahirciveen	98	41	†	—	0	31 to 5	43	88	27	10	0	230	34	15	2	14	58	26	5	13	0
Cork Weaver Pt. ...	160	30	†	—	0	2, 5	17	55	69	3	24	—	33	15	2	15	65	29	2	15	55
11. ENGLISH CHANNEL																					
Scilly St. Mary's (Cup Anr.)...	150	19	—	31, 5	2	31, 2 to 6	81	52	23	1	9	290	40	18	31	11	—	—	—	—	—

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FIRST WEEK of 1923—December 31st, 1922, to January 6th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal									Below 42°
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		52	26	43.1	35.4	39.4	+1.3	3	- 3	21	- 12	6	+ 1	1.97	50	+21	1.2	+0.5	18	995
Eastern.																				
1. SCOTLAND, EAST ..		51	22	42.9	33.4	38.4	+1.5	3	- 2	28	- 12	5	+ 1	0.89	23	+ 7	2.2	+1.2	32	999
2. ENGLAND, N.E. ..		53	28	43.8	34.9	39.5	+1.5	5	0	23	- 10	5	+ 1	0.65	17	+ 4	2.5	+1.4	33	1004
3. ENGLAND, EAST ..		53	26	45.1	35.5	40.5	+2.7	9	+ 1	19	- 19	5	+ 1	0.70	18	+ 5	2.3	+1.0	30	1007
4. MIDLAND COUNTIES		54	27	45.6	34.7	40.4	+2.7	10	+ 2	21	- 17	5	+ 1	0.99	25	+10	2.1	+0.9	27	1006
5. ENGLAND, S.E. ..		52	27	46.4	35.9	41.3	+1.7	12	+ 1	17	- 11	6	+ 2	1.12	29	+15	2.6	+1.1	32	1008
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		53	20	45.6	34.7	40.4	+1.2	10	+ 2	21	- 6	6	+ 1	1.90	48	+20	—	—	—	1001
7. ENGLAND, N.W. (and North Wales)		56	29	46.3	37.9	42.2	+2.8	13	+ 4	11	- 16	5	+ 1	1.00	25	+ 6	1.8	+0.8	24	1005
8. ENGLAND, S.W. (and South Wales)		54	26	47.9	37.5	42.9	+1.6	19	+ 4	13	- 7	6	+ 1	1.42	36	+13	2.1	+0.5	26	1008
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	- 0.1	16	1001
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	34	50.2	42.3	46.4	+1.7	31	+ 4	0	- 8	6	+ 1	1.03	26	+ 6	2.5	+0.6	31	1011
MEAN: DISTRICTS 1-10																				
THE SEASON (Winter).—Aggregates, &c., for the Period of 5 Weeks, December 3rd, 1922 to January 6th 1923.																				
0. SCOTLAND, NORTH ..		57	21	44.2	36.6	40.6	+1.8	37	—	87	—	29	+ 2	7.84	199	+30	0.9	+ 0.3	14	999
Eastern.																				
1. SCOTLAND, EAST ..		57	15	43.9	35.0	39.7	+2.0	34	—	113	—	22	+ 1	3.24	83	- 4	1.3	+ 0.3	19	1001
2. ENGLAND, N.E. ..		56	26	45.0	36.7	41.0	+1.9	47	—	82	—	21	+ 1	3.42	88	+23	1.5	+ 0.3	20	1006
3. ENGLAND, EAST ..		54	23	45.9	37.2	41.7	+2.6	60	—	69	—	21	0	2.62	67	+ 2	1.7	+ 0.4	22	1010
4. MIDLAND COUNTIES		56	22	46.1	37.0	41.8	+2.9	64	—	71	—	22	+ 1	4.61	117	+40	1.4	+ 0.3	18	1008
5. ENGLAND, S.E. ..		52	23	46.9	38.0	42.6	+1.7	76	—	55	—	20	0	4.38	112	+26	1.8	+ 0.4	22	1011
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	20	46.0	37.6	42.0	+1.8	67	—	67	—	28	+ 4	6.43	163	+ 6	—	—	—	1003
7. ENGLAND, N.W. (and North Wales)		58	29	46.7	39.4	43.2	+2.7	75	—	34	—	24	+ 2	5.02	128	+24	1.0	0.0	14	1006
8. ENGLAND, S.W. (and South Wales)		54	26	48.0	39.3	43.9	+1.4	103	—	38	—	25	+ 1	7.06	178	+39	1.3	- 0.1	17	1009
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.0	- 0.2	14	1003
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	34	50.2	43.5	47.0	+1.1	175	—	0	—	26	0	6.38	162	+43	1.5	- 0.3	19	1012
MEAN: DISTRICTS 1-10..																				
THE YEAR. Aggregates, &c., for the Period of 1 Week, 31st December, 1922, to January 6th, 1923.																				
0. SCOTLAND, NORTH ..		52	26	43.1	35.4	39.4	+1.3	3	- 3	21	- 12	6	+ 1	1.97	50	+21	1.2	+0.5	18	995
Eastern.																				
1. SCOTLAND, EAST ..		51	22	42.9	33.4	38.4	+1.5	3	- 2	28	- 12	5	+ 1	0.89	23	+ 7	2.2	+1.2	32	999
2. ENGLAND, N.E. ..		53	28	43.8	34.9	39.5	+1.5	5	0	23	- 10	5	+ 1	0.65	17	+ 4	2.5	+1.4	33	1004
3. ENGLAND, EAST ..		53	26	45.1	35.5	40.5	+2.7	9	+ 1	19	- 19	5	+ 1	0.70	18	+ 5	2.3	+1.0	30	1007
4. MIDLAND COUNTIES		54	27	45.6	34.7	40.4	+2.7	10	+ 2	21	- 17	5	+ 1	0.99	25	+10	2.1	+0.9	27	1006
5. ENGLAND, S.E. ..		52	27	46.4	35.9	41.3	+1.7	12	+ 1	17	- 11	6	+ 2	1.12	29	+15	2.6	+1.1	32	1008
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		53	20	45.6	34.7	40.4	+1.2	10	+ 2	21	- 6	6	+ 1	1.90	48	+20	—	—	—	1001
7. ENGLAND, N.W. (and North Wales)		56	29	46.3	37.9	42.2	+2.8	13	+ 4	11	- 16	5	+ 1	1.00	25	+ 6	1.8	+0.8	24	1005
8. ENGLAND, S.W. (and South Wales)		54	26	47.9	37.5	42.9	+1.6	19	+ 4	13	- 7	6	+ 1	1.42	36	+13	2.1	+0.5	26	1008
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	- 0.1	16	1001
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	34	50.2	42.3	46.4	+1.7	31	+ 4	0	- 8	6	+ 1	1.03	26	+ 6	2.5	+0.6	31	1011
MEAN: DISTRICTS 1-10..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 28, FORTH STREET, EDINBURGH.FORTY-SIXTH YEAR. } No. 2.
Vol. XL. (New Series) }

SECOND WEEK.

SUNDAY, JANUARY 7TH, TO SATURDAY, JANUARY 13TH, 1923.

Price 3d. Net, Post free 3d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Low pressure systems passing to the north of Scotland and moving north-eastward governed the weather until Wednesday, giving rise to gales in Ireland and on our north and west coasts, and hail and snow in many places. There was a temporary improvement for a day or two owing to an extension of the Azores anticyclone but a reversion to the south-westerly type occurred on Saturday. Thunderstorms were reported from Fort William, West Witten (Yorkshire) and Bath on the 9th, and from Markree Castle (Sligo) on the 10th, the storms being accompanied by hail in most cases. The winds were south-westerly or westerly in direction until the 10th, reaching gale force in exposed places on the 9th and 10th. From the evening of the 10th to the 12th the winds were north-westerly, decreasing in strength, but accompanied by rain, hail or snowstorms at first. South-westerly or westerly winds prevailed for the remainder of the week. Precipitation was in excess of the normal in Scotland only. Amongst the largest falls reported were 37mm. at Fort William, 34mm. at Achnashellach and 25mm. at Ford on the 7th, 23mm. at Strathpeffer on the 8th, 31mm. at Achnashellach,

32 mm. at Inverness on the 9th, and 23mm. at Achnashellach on the 10th. Maximum temperatures of 55°F or slightly above were registered on the 7th or 8th in Southern Ireland and at Llandudno and Hawarden. Mean temperatures were generally above the normal except at Southampton. Screen minima of about 20°F. occurred at Eskdalemuir, Balmoral, West Linton (Peebles) and Marlborough. Ground frosts occurred in nearly all parts; the lowest reading being 14°F. at West Linton and at Rhayader on the 13th. Good records of sunshine of from 5 to 6 hours were reported over the country on the 11th and 12th. The departure of the mean duration from the normal for the week ranged from +1.8 hours at Phoenix Park to -0.7 hour at Margate. Aurora was observed at Gordon Castle on the 10th and 13th, whilst the Zodiacal Light was recorded at Oxford on the 8th, 9th, 10th and 11th, and at Ross on the 7th and 11th. Lunar halos were witnessed at Dublin on the 8th, and at Gorleston and Clacton on the 9th; a solar halo was seen at Oxford on the 10th. A brilliant parhelion was observed at Ross on the 12th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	14	16	7.0	11	15	6.9	14	8	3.4	15	5	2.4	14	12	5.5	3	12	5.5	24	11	4.8	13	10	4.6
North	11	15	6.9	6	5	2.3	8	4	1.6	6	5	2.3	13	11	5.0	19	12	5.2	1	1	0.6	10	7	3.0
West	17	7	3.3	26	18	8.0	27	7	3.3	23	9	3.8	28	17	7.7	23	22	10.0	26	19	8.5	19	19	8.6
East	3	7	3.0	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	4	2	0.8
Calm (or wind- speed < 4 m.p.h.)	0	—	—	1	—	—	1	—	—	4	—	—	0	—	—	0	—	—	1	—	—	4	—	—
No record ...	3	—	—	1	—	—	0	—	—	0	—	—	0	—	—	1	—	—	1	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	—	—	Moderate
	Rainfall ..	Very Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	—	—	Moderate
	Sunshine ..	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	—	Abundant	Abundant	Abundant	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 6 weeks from Dec. 3rd, 1922.	Warmth ..	2, 4, 0	3, 3, 0	3, 3, 0	4, 2, 0	5, 1, 0	1, 5, 0	1, 5, 0	4, 2, 0	1, 5, 0	—	—	1, 5, 0
Rainfall ..	3, 3, 0	4, 0, 2	2, 3, 1	3, 1, 2	3, 1, 2	3, 1, 2	4, 1, 1	3, 2, 1	3, 1, 2	—	—	3, 1, 2	
Sunshine ..	4, 2, 0	3, 3, 0	3, 2, 1	3, 2, 1	4, 0, 2	4, 1, 1	—	3, 1, 2	2, 2, 2	2, 2, 2	—	—	1, 3, 2

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	47	13th	30	13th	42.9	36.3	39.7	+1.2	6	1.19	30	+8	Lerwick	hr.	0.9	14					
Orkneys	Deerness	160	p	49	8th	32	13th	44.7	36.4	40.7	+2.3	7	1.50	38	+20	Deerness	1.3	+0.4	20					
Hebrides	Stornoway	51	t	45	13th	30	13th	44.0	36.7	40.5	+1.8	7	1.87	48	+21	Stornoway	1.0	+0.1	14					
	Castlebay	37	t	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—					
Caithness	Wick	81	t	48	13th	29	13th	43.9	35.6	39.9	+2.5	6	0.96	25	+12		—	—	—					
Ross and Cromarty	Strathpeffer	125	a	54	7th	29	13th	45.0	34.1	39.8	+3.2	7	2.31	59	+43		—	—	—					
Inverness	Achnashellach	225	a	48	7th	32	13th	44.9	36.9	41.1	—	7	5.08	129	—	Achnashellach	—	—	—	2	27			
	Inverness	242	h	49	7th	32	13th	42.6	35.7	39.3	—	7	2.41	61	—	Inverness	0.7	—	10	1	28			
	Fort Augustus	68	a	51	7, 13	31	10, 12	44.4	34.1	39.5	+2.4	7	3.20	81	+54		—	—	—					
	Fort William	171	p	50	7, 8	31	12th	45.7	36.0	41.0	+2.7	7	3.95	100	+52		—	—	—					
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	48	7th	31	13th	42.6	36.7	39.8	+3.2	7	0.98	25	+15	Nairn	1.0	—	14					
Elgin	Gordon Castle	101	p	53	8th	29	13th	45.4	34.3	40.1	+2.6	7	0.92	23	+12	Gordon Castle	1.3	—	18					
Aberdeen	Aberdeen	46	t	49	8th	30	13th	43.6	35.9	39.9	+2.7	5	0.40	10	—	Aberdeen	1.9	+0.6	27	5	21			
	Balmoral	980	a	51	7th	23	13th	41.6	31.0	36.5	+2.8	7	1.27	32	+18	Balmoral	—	—	27	4	20			41.0
Perth	Crieff	478	p	52	8th	29	13th	45.0	32.4	39.0	+2.7	5	1.10	28	+7	(Kinclaven) Crathies	1.8	+0.4	26	4	20			40.0
Forfar	Dundee	147	a	51	7th	30	13th	43.6	33.0	38.5	+2.1	5	0.38	10	—	Dundee	1.5	—	21	3	27			36.7
Fife	Inchkeith	190	t	50	7th	31	13th	44.0	38.6	41.4	—	4	0.14	4	—	Inchkeith	1.5	—	20	2	30			
Midlothian	Edinburgh	441	p	52	7, 8	29	13th	45.0	35.9	40.6	+3.2	5	0.52	13	+4	Edinburgh	1.6	+0.2	22	2	22			
Peebles	West Linton	770	a	50	7, 8	20	12, 13	43.0	30.6	37.1	+3.5	6	0.70	18	—	West Linton	—	—	6	14				
Berwick	Marchmont	498	a	51	7th	28	13th	43.4	33.9	38.8	+3.0	4	0.48	12	0	Marchmont	1.6	+0.5	22	—				
2. SCOTLAND, W.																								
Argyle	Ford	149	a	54	7th	28	12th	45.4	34.4	40.1	—	6	2.96	75	—	Ford	—	—	—	3	23			40.3
Renfrew	Renfrew	49	t	52	7th	26	13th	44.1	35.1	39.8	—	5	1.29	33	—	Renfrew	1.5	—	21	4	17			42.6
Bute	Rothsay	200	p	51	8th	32	13th	45.4	36.4	41.1	+1.8	7	1.64	42	+19	Rothsay	1.8	—	24	2	25			40.6
Ayr	Kilmarnock	90	a	51	7th	27	12, 13	45.0	34.4	39.9	+2.6	6	1.07	27	+10	Kilmarnock	1.3	—	18	—				43.6
	Colmonell	170	a	52	7th	27	13th	46.0	36.1	41.3	+2.6	6	0.81	21	—	Colmonell	—	—	2	24				
Dumfries	Dumfries	140	p	52	7th	25	13th	46.1	35.0	40.8	+3.1	4	0.63	16	+1	Dumfries	2.8	—	37	3	18			39.4
	Eskdalemuir	794	t	49	7th	19	13th	42.0	32.3	37.3	—	5	1.48	38	—	Eskdalemuir	2.3	—	31	3	17			42.7
3. ISLE OF MAN.																								
I. of Man	Douglas	284	h	52	7th	36	12th	44.0	38.3	41.7	+1.1	7	0.80	20	+2	Douglas	2.3	+0.8	30	1	29			
4. ENGLAND, N.E.																								
Northumb.	Cockle Park	324	p	53	7, 8	33	12, 13	45.4	34.7	40.3	+3.9	5	0.35	9	—	Cockle Park	—	—	—	6	21			38.0
Durham	Tynemouth	118	t	54	7th	31	13th	45.3	38.0	41.8	+3.5	3	0.13	3	—	Tynemouth	—	—	—	1	28			+1.2
York	Durham	336	p	52	7, 8	27	13th	45.1	34.0	39.8	+3.1	4	0.27	7	—	Durham	2.8	+1.6	37	4	19			
	Rounton	249	p	53	7th	27	13th	45.7	32.4	39.3	+2.6	4	0.24	6	—	Rounton	—	—	7	17	37.4			
N. Riding	West Witton	605	h	51	7th	26	13th	43.1	34.9	39.2	—	5	1.37	35	—	West Witton	—	—	4	22	37.3			41.0
	Scarborough	118	a	53	8th	32	13th	45.6	36.9	41.4	+3.0	7	0.27	7	—	Scarborough	1.8	+0.6	24	—				41.6
	York	56	p	54	7, 8	29	13th	46.6	35.4	41.2	+3.6	3	0.22	6	—	York	2.3	+1.5	29	—				42.9
E. Riding	Spurn Head	26	t	49	7th	34	13th	43.3	36.9	40.2	+2.0	4	0.06	2	—	Spurn Head	1.1	—	14	—				+0.4
Lincoln	Lincoln	58	a	51	7th	28	13th	46.1	34.9	40.7	+3.8	3	0.08	2	—	Lincoln	—	—	—	3	26			37.3
	Cranwell	237	t	51	7th	27	13th	44.0	34.9	39.6	+2.8	5	0.15	4	—	Cranwell	1.8	+0.4	23	4	27			37.3
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.0	+0.5	26	—				37.3
5. ENGLAND, E.																								
Norfolk	Cromer	196	a	51	8th	32	13th	44.6	34.9	39.9	+2.5	5	0.27	7	—	Cromer	2.1	+0.5	27	—				37.3
	Yarmouth	13	t	51	8th	31	12th	45.1	35.3	40.4	+3.1	5	0.50	13	+3	Yarmouth	1.9	—	25	5	28			40.0
	Norwich	93	a	51	8th	31	12, 13	45.6	34.3	40.2	+3.3	5	0.29	7	—	Norwich	1.6	—	20	5	23			36.6
	Geldeston	37	a	51	8th	30	12, 13	45.8	33.9	40.1	+2.5	5	0.20	5	—	Geldeston	1.5	+0.1	19	—				43.6
Cambridge	Cambridge	41	p	52	8th	26	13th	45.7	32.6	39.4	+2.2	4	0.18	5	—	Cambridge	1.9	+0.3	23	6	19			38.9
Hertford	Rothamsted	420	a	51	7th	28	13th	45.3	33.3	39.5	+2.7	4	0.20	5	—	Rothamsted	1.9	+0.4	24	6	20			37.8
Middlesex	Tottenham	51	p	52	8th	27	13th	45.7	35.9	41.0	—	5	0.16	4	—	Tottenham	1.2	—	14	—				43.5
Essex	Clacton-on-Sea	54	t	50	8th	30	13th	43.0	35.4	39.4	+2.0	3	0.39	10	+3	Clacton-on-Sea	2.3	+0.5	28	3	27			39.3
	Southend	90	h	51	8th	27	13th	44.7	34.6	39.9	—	4	0.25	6	—	Southend	1.3	—	17	4	27			40.4
6. ENGLAND, S.E.																								
York	Harrogate	479	h	52	7th	27	13th	44.1	34.7	39.6	+3.5	5	0.47	12	—	Harrogate	2.1	+0.6	27	3	24			39.1
W. Riding	Sheffield	429	p	54	7th	32	13th	45.1	36.9	41.2	—	5	0.44	11	—	Sheffield	1.8	+0.5	23	2	25			37.9
Derby	Buxton	987	p	50	7th	27	13th	41.6	33.3	37.6	+2.9	7	1.12	29	+6	Buxton	1.0	—	13	2	22			37.2
Nottingham	Worksop	56	a	52	7th	27	13th	47.0	34.7	41.1	+4.3	4	0.09	2	—	Worksop	1.9	+0.8	24	6	20			37.6
	Nottingham	82	t	52	7th	29	13th	45.4	35.9	40.8	+3.8	4	0.11	3	—	Nottingham	0.8	+0.2	10	5	28			38.1
Warwick	Birmingham (Edg.)	525	p	54	7th	32	12, 13	44.9	35.9	40.6	+3.5	4	0.17	4	—	Birmingham	1.7	+0.7	22	4	24			40.0
Northampton	Raunds	213	a	53	7th	28	13th	46.9	34.1	40.8	+4.8	3	0.13	3	—	Raunds	2.4	—	31	5	23			39.0
Oxford	Oxford	208	p	51	7, 8	30	13th	45.9	34.4	40.4	+2.6	4	0.17	4	—	Oxford	2.7	+1.2	34	5	22			44.9
Stafford	Cheadle	646	a	50	7th	29	13th	44.0	33.6															

TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM

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DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.										Rainfall.				Bright Sunshine Hours per Day				Ground Temperature					
			Highest.	Date	Lowest.	Date	Mean for the Week.			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.				
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal			
8a. SOUTH WALES.	Ft.	*F.	*F.	*F.	*F.	*F.	*F.							Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.	*F.				
Cardigan	16	h	49	7th	33	12, 13	46.3	38.9	42.8	—	5	0.43	11	—	Aberystwyth	2.2	+0.6	28	—	—	—	—	—			
Pembroke	149	t	50	7th	38	10, 13	46.9	42.1	44.6	+2.4	4	0.20	5	—	St. Ann's Hd.	1.9	+0.3	24	—	—	—	—	—			
Radnor	757	a	52	7th	24	12, 13	44.3	33.4	39.1	—	6	1.62	41	—	Rhayader	1.8	—	22	2	14	—	—	—			
Glamorgan	202	p	50	8th	31	13th	46.4	35.3	41.1	+2.7	4	0.48	12	- 7	Cardiff	2.9	—	36	3	25	40.0	- 0.5	44.4	- 0.1		
8b. ENGLAND, S.W.																										
Somerset	66	h	51	8th	24	13th	46.0	35.3	40.9	+2.1	4	0.39	10	- 3	Bath	2.1	+0.7	26	—	—	40.3	—	44.4	—		
Dorset	722	a	49	7th	26	13th	44.7	33.6	39.4	+2.3	3	0.22	6	- 8	Shaftesbury	—	—	—	—	—	39.8	—	43.9	—		
Devon	19	t	52	7th	34	13th	48.3	39.7	44.2	+2.4	4	0.20	5	- 7	Weymouth	2.9	—	35	—	—	—	—	—	—		
	613	a	49	7th	29	13th	45.0	35.8	40.6	+1.9	6	1.17	30	+ 4	Cullompton	2.2	+0.8	27	5	17	41.9	—	—	—		
	202	a	52	7th	24	13th	48.3	34.6	41.7	+2.5	5	0.72	18	+ 1	Plymouth	2.8	+1.1	34	2	25	42.4	- 0.4	46.5	—		
	116	p	52	7th	29	13th	48.0	36.6	42.5	+0.7	6	0.37	9	- 9	Newquay	1.8	+0.1	22	—	—	44.8	—	47.4	—		
Cornwall	190	h	51	7th	34	13th	46.8	42.0	44.5	+1.5	6	0.54	14	- 2	Falmouth	2.8	+1.0	34	2	30	42.4	—	46.0	—		
	167	h	53	7th	36	13th	48.4	40.6	44.7	+1.8	6	0.65	17	- 6												
9. IRELAND, N.																										
Donegal	71	t	51	7th	36	9, 13	46.7	39.9	43.4	+3.0	7	1.00	25	+10	Malin Head	1.2	—	16	—	—	—	—	—	—		
Mayo	10	t	—	—	—	—	—	—	—	—	—	—	—	—	Mallary	1.2	—	16	3	21	—	—	—	—		
Sligo	120	a	52	7, 8	32	12, 13	49.1	36.7	43.2	—	6	1.90	48	—	Markree Castle	1.2	+0.1	16	3	27	41.8	+0.5	—	—		
	122	p	54	7th	28	12th	48.1	35.3	42.0	+2.9	7	1.50	38	+15	Armagh	2.7	+1.5	35	3	25	41.1	+0.6	44.2	+0.5		
Armagh	204	p	52	7, 8	32	12th	46.7	36.0	41.6	+2.8	6	0.71	18	+ 3												
Down	35	t	54	7th	33	13th	45.6	38.1	42.0	+2.0	6	0.80	20	+ 5	Trinity Coll.	—	—	—	—	—	—	—	—	—		
10. IRELAND, S.																										
Dublin	54	p	54	7th	32	13th	46.7	36.9	42.0	+0.7	5	0.53	13	0	Phoenix Park	3.5	+1.8	45	3	24	—	—	—	—		
King's County	175	t	52	7th	27	12th	44.4	35.9	40.3	+1.0	6	0.69	18	+ 2	Dublin City	—	—	—	—	—	—	—	—	—		
Kilkenny	195	a	56	7th	25	13th	45.3	33.3	39.5	+0.1	5	0.62	16	+ 2	Birr Castle	2.6	+1.1	33	3	18	—	—	—	—		
Waterford	137	a	55	7th	29	13th	46.6	35.3	41.2	0.0	6	0.17	4	-17												
	542	p	58	7th	31	12th	47.0	34.9	41.2	—	6	0.46	12	—	Seskin	3.3	—	42	3	23	—	—	—	—		
Limerick	50	a	53	7th	32	12, 13	45.6	37.0	41.5	+0.1	7	1.17	30	+ 8												
Kerry	30	t	52	7th	33	12th	47.4	41.3	44.5	+0.7	6	0.84	21	-11	Cahiriveen	2.1	+0.7	26	0	31	—	—	—	—		
	174	a	55	7th	29	12th	47.0	36.1	41.8	-0.3	7	1.39	35	0	(Valencia O.)	—	—	—	—	—	—	—	—	—		
Cork	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacarra	—	—	—	—	—	—	—	—	—		
11. CHANNEL ISLES & SCILLY.																										
Scilly	131	t	51	7, 8	40	13th	48.9	43.4	46.3	+1.0	4	0.38	10	- 8	Scilly	2.4	+0.6	29	—	—	—	—	—	—		
Guernsey	173	p	52	7, 8	36	13th	48.9	41.3	45.3	+2.3	5	0.60	15	- 2	Grange	2.7	+0.9	32	1	27	43.0	-1.5	47.0	-0.5		
Jersey	25	t	51	7, 8, 9	38	7, 13	49.0	41.1	45.2	+2.7	5	0.70	18	+ 1	St. Heliers	2.5	+0.5	30	—	—	—	—	—	—		

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.] Week ending at midnight (24h.) on Saturday, January 13th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.					Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.		hr.		hr.	o	m.p.h.	m/s.	d. hr.	m.p.h.	m/s.	d. h. m.					
Orkneys **Deerness (Cup Anr.)	188	16	5	8	2	7 to 11	30	78	42	3	13	240	44	20	8	5	—	—	—				
1. SCOTLAND, E.																							
Aberdeen Aberdeen	72	42	†	—	0	10, 11	4	68	89	6	1	300	25	11	11	10	55	25	10	14	5		
Edinburgh Edinburgh	485	34	31	9	1	7 to 11, 13	52	78	29	8	0	210	40	18	9	3	60	29	9	21	30		
2a. SCOTLAND, W.																							
Renfrew Paisley	188	81	15	—	0	9	6	83	52	27	0	190	30	13	9	2	66	29	9	23	0		
Dumfries Eskdalemuir	825	50	22	—	0	7 to 11	49	57	32	30	0	220	36	16	10	2	56	25	9	15	5		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	10, 13	11	100	57	0	0	290	37	17	10	13	57	25	10	12	20		
York, E.R. Spurn Head	67	41	†	—	0	7, 9, 10, 11	42	100	26	0	0	270	38	17	10	14	52	23	10	15	20		
Lincoln Cranwell	280	43	31	—	0	10	1	79	(87)	(1)	0	240	25	11	10	7	34	15	10	7	5		
3. ENGLAND, E.																							
Norfolk Gorleston	52	42	†	—	0	—	0	38	125	5	0	200	23	10	7	10	38	17	10	7	50		
Essex Shoeburyness...	103	90	†	—	0	7, 9, 10	10	79	56	0	29	210	34	15	9	11	55	24	9	13	5		
5. ENGLAND, S.E.																							
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	37	—	—	—	270	20	9	9	9	—	—	—	—	—		
Kent Lympne	409	70	†	—	0	9, 10	5	65	110	21	0	240	20	9	10	11	—	—	—	—	—		
Surrey Croydon	284	40	24	—	0	10	2	45	94	27	0	230	32	14	9	12	45	20	9	11	50		
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	67	100	1	0	260	22	10	10	10	43	19	10	9	30		
Sussex Brighton	261	53	†	—	0	—	0	43	111	14	0	—	24	11	9	11	39	17	9	10	30		
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	7, 9, 10	—	—	—	—	—	—	24	11	9	11	39	17	9	10	30		
Wiltshire Larkhill, S'y Plain	513	63	43	—	0	7, 9, 10	17	103	43	5	0	210	29	13	9	10	43	21	9	12	40		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	10	9	8 to 11	50	56	42	11	0	260	45	20	10	9	74	33	10	4	35		
Lancashire Southport	80	62	48	9, 10	24	7 to 11, 13	47	57	26	14	0	250	51	23	10	5	74	33	10	4	35		
7b. NORTH WALES.																							
Anglesey Holyhead	64	45	†	9, 10	8	7 to 11	72	67	21	0	0	260	47	21	10	8	63	28	10	7	45		
8b. ENGLAND, S.W.																							
Devon Plymouth	185	88	2	—	0	7, 9	4	47	66	25	26	—	29	13	9	8	47	20	10	2	35		
Cornwall Penennis Castles	256	65	24	—	0	7 to 10	22	68	63	15	0	230	32	15	9	5	49	22	9	0	20		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	9, 10	5	7 to 11, 13	70	65	23	5	0	230	44	20	10	2	47	20	10	2	35		
Clare Quilty	100	40	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	7 to 10	39	67	36	26	0	270	36	16	9	19	67	30	9	19	15		
Cork Weaver Pt.	160	30	†	—	0	7 to 10	7	82	65	14	0	—	36	16	9	1	58	26	10	6	25		
11a. SCILLY ISLES.																							
Scilly St. Mary's (Cup Anr.)...	150	64	—	9, 10	21	7 to 11	63	45	35	14	4	280	47	21	10	4	64	28	10	4	25		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SECOND WEEK of 1923—January 7th to January 13th, 1923.																				
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.		
	At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration			
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal										
0. SCOTLAND, NORTH ..	54	29	44.4	35.7	40.2	+2.6	7	—	—	—	7	+2	2.65	67	+38	1.0	+0.2	15	1001	
Eastern.																				
1. SCOTLAND, EAST ..	53	20	43.6	34.2	39.1	+2.6	4	0	25	-17	6	+2	0.75	19	+6	1.6	+0.4	22	1004	
2. ENGLAND, N.E. ..	54	27	45.2	35.3	40.5	+2.8	9	+4	19	-16	4	0	0.2	5	-5	2.1	+1.0	28	1010	
3. ENGLAND, EAST ..	52	26	45.1	34.5	40.0	+2.7	9	+3	23	-16	5	+1	0.27	7	-3	1.8	+0.3	23	1014	
4. MIDLAND COUNTIES ..	55	26	45.7	34.9	40.5	+3.4	10	+3	21	-20	4	0	0.28	7	-4	2.1	+0.8	26	1014	
5. ENGLAND, S.E. ..	53	22	46.0	35.1	40.8	+2.0	11	+2	20	-12	4	0	0.32	8	-4	2.1	+0.5	25	1016	
Western.																				
6. SCOTLAND, WEST (and Isle of Man)	54	25	45.3	35.7	40.7	+1.7	9	+2	18	-10	6	+2	1.31	33	+10	—	—	—	1007	
7. ENGLAND, N.W. (and North Wales)	56	28	46.0	37.7	42.0	+3.0	12	+4	12	-17	6	+2	0.57	15	0	1.4	+0.2	18	1012	
8. ENGLAND, S.W. (and South Wales)	53	24	46.6	36.7	41.9	+1.5	13	0	14	-10	5	+1	0.60	15	-4	2.2	+0.6	27	1017	
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	+0.7	25	1009	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)	52	36	48.9	41.9	45.6	+1.7	25	+3	0	-9	5	0	0.56	14	-4	2.5	+0.6	31	1019	
MEAN: DISTRICTS 1-10																				
THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, December 3rd, 1922, to January 13th 1923.																				
0. SCOTLAND, NORTH ..	57	21	44.3	36.4	40.5	+1.9	44	—	106	—	36	+4	10.49	266	+68	0.9	+0.3	14	999	
Eastern.																				
1. SCOTLAND, EAST ..	57	15	43.9	34.9	39.6	+2.1	38	—	138	—	28	+3	3.99	102	+2	1.3	+0.3	20	1001	
2. ENGLAND, N.E. ..	56	26	45.1	36.4	40.9	+2.0	56	—	101	—	25	+1	3.62	93	+18	1.6	+0.4	22	1007	
3. ENGLAND, EAST ..	54	23	45.7	36.8	41.4	+2.6	69	—	92	—	26	+1	2.89	74	-1	1.7	+0.3	22	1010	
4. MIDLAND COUNTIES ..	56	22	46.0	36.7	41.5	+2.9	74	—	92	—	26	+1	4.89	124	+36	1.5	+0.3	20	1009	
5. ENGLAND, S.E. ..	53	22	46.8	37.5	42.3	+1.7	87	—	75	—	24	0	4.70	120	+22	1.8	+0.3	23	1012	
Western.																				
6. SCOTLAND, WEST (and Isle of Man)	55	20	45.9	37.3	41.8	+1.8	76	—	85	—	34	+6	7.74	196	+16	—	—	—	1004	
7. ENGLAND, N.W. (and North Wales)	58	28	46.6	39.1	43.0	+2.8	87	—	46	—	30	+4	5.59	143	+24	1.1	+0.1	15	1007	
8. ENGLAND, S.W. (and South Wales)	54	24	47.8	38.9	43.5	+1.4	116	—	52	—	30	+2	7.66	193	+35	1.5	+0.1	19	1011	
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	0.0	16	1004	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)	55	34	50.0	43.2	46.7	+1.1	200	—	0	—	31	0	6.94	176	+39	1.7	-0.1	21	1013	
MEAN: DISTRICTS 1-10..																				
THE YEAR. Aggregates, &c., for the Period of 2 Weeks, 31st December, 1922, to January 13th, 1923.																				
0. SCOTLAND, NORTH ..	54	26	43.7	35.5	39.8	+1.9	10	-1	40	-30	13	+3	4.62	117	+59	1.1	+0.4	16	998	
Eastern.																				
1. SCOTLAND, EAST ..	53	20	43.3	33.8	38.7	+2.0	7	-2	53	-29	11	+3	1.64	42	+13	1.9	+0.8	27	1001	
2. ENGLAND, N.E. ..	54	27	44.5	35.1	40.0	+2.1	14	+4	42	-26	9	+1	0.85	22	-1	2.3	+1.2	31	1007	
3. ENGLAND, EAST ..	53	26	45.1	35.0	40.3	+2.7	18	+4	42	-35	10	+2	0.97	25	+2	2.1	+0.6	26	1011	
4. MIDLAND COUNTIES ..	55	26	45.7	34.8	40.5	+3.1	20	+5	42	-37	9	+1	1.27	32	+6	2.1	+0.9	27	1010	
5. ENGLAND, S.E. ..	53	22	46.2	35.5	41.1	+1.9	23	+3	37	-23	10	+2	1.44	37	+11	2.3	+0.8	29	1012	
Western.																				
6. SCOTLAND, WEST (and Isle of Man)	54	20	45.5	35.2	40.5	+1.4	19	+4	39	-16	12	+3	3.21	81	+30	—	—	—	1004	
7. ENGLAND, N.W. (and North Wales)	56	28	46.1	37.8	42.1	+2.9	25	+8	23	-33	11	+3	1.57	40	+6	1.6	+0.5	21	1009	
8. ENGLAND, S.W. (and South Wales)	54	24	47.3	37.1	42.4	+1.5	32	+4	27	-17	11	+2	2.02	51	+9	2.1	+0.6	26	1013	
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6	+0.3	21	1005	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)	55	34	49.5	42.1	46.0	+1.7	56	+7	0	-17	11	+1	1.59	40	+2	2.5	+0.6	31	1015	
MEAN: DISTRICTS 1-10..																				
	°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in	mm.	mm.	hr.	in	%	mb.	

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

29 JAN 1923

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH.

Forty-Sixth Year. } No. 3.
Vol. XL. (New Series)

THIRD WEEK.

SUNDAY, JANUARY 14TH, TO SATURDAY, JANUARY 20TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather of the week over the British Isles generally was unsettled. Snow and hail occurred in Scotland and the northern parts of England and showers of rain fell in most other parts of the country. Fog was reported at a number of stations, the most notable being that which occurred in and around London on the 17th. This fog was accompanied by very low temperatures; at Richmond (Kew Observatory) 29°F. was not surpassed all day. On the other hand on the south and south-east coasts this was a very fine day, nearly 7 hours of sunshine being registered at a number of stations. In most parts of England the maximum temperatures which were round about 50°F. were recorded at the beginning of the week, but towards the end of the week the highest readings were in Scotland and Ireland. Screen minima below 32°F. were registered in several places, the lowest readings being 22°F. at Raunds (Northampton), 23°F. at Cambridge, 24°F. at Tunbridge Wells and 25°F. in London (Greenwich) on the 17th. Ground frosts were recorded in nearly all parts, and in some places the readings of the

grass thermometer were below 20°F., the actual lowest reading, 14°F., being registered at Tunbridge Wells on the morning of the 17th. The mean temperature for the week was about normal in London and at a few places in the south-east of England, but in other districts it was well above. The mean daily range of temperature varied between 15°F. in some of the southern parts of England to about 4°F. at a few of our western and north-western stations. The largest amounts of precipitation (rain or snow) were recorded on the 19th when Achnashellach (Ross-shire) had 33mm., Fort William 29mm., Buxton 21mm., Fort Augustus 19mm., Ford (Argyll) 17mm., and Stonyhurst 16mm. The total amount for the week was less than the normal in all districts. The departure of the mean duration of sunshine from the normal for the week ranged from +1.2 hours at Durham and Clacton to -0.9 hour at Llandudno. Solar halos were observed at Oxford on the 19th and 20th. The Zodiacal Light was recorded at Ross-on-Wye on the 18th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	14	11	5.1	6	5	2.3	7	3	1.4	7	4	1.6	9	6	2.9	2	5	2.1	16	6	2.9	13	7	3.2
North	8	10	4.5	13	8	3.7	15	8	3.6	13	6	2.6	14	13	5.8	23	11	4.8	3	8	3.6	10	10	4.5
West	20	17	7.8	26	17	7.7	20	8	3.6	7	7	3.0	24	17	7.4	18	12	5.2	23	19	8.4	15	9	4.2
East	1	10	4.5	0	—	—	0	—	—	2	2	0.9	0	—	—	4	3	1.4	0	—	—	5	2	0.9
Calm (or wind- speed < 4 m.p.h.)	0	—	—	2	—	—	5	—	—	6	—	—	3	—	—	2	—	—	5	—	—	5	—	—
No record ...	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	11. Channel Islands (and Scilly).
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	—	—	Moderate
	Rainfall ..	Moderate	Light	Very Light	Moderate	Light	Light	Moderate	Light	Very Light	—	—	Light
	Sunshine ..	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	—	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 7 weeks from Dec. 3rd, 1922.	Warmth ..	3, 4, 0	4, 3, 0	4, 3, 0	4, 3, 0	6, 1, 0	1, 6, 0	2, 5, 0	5, 2, 0	1, 6, 0	—	—	1, 6, 0
	Rainfall ..	3, 4, 0	4, 0, 3	2, 3, 2	3, 2, 2	3, 1, 3	3, 1, 3	4, 2, 1	3, 2, 2	3, 1, 3	—	—	3, 1, 3
	Sunshine ..	4, 3, 0	4, 3, 0	4, 2, 1	3, 3, 1	4, 1, 2	4, 2, 1	—	4, 1, 2	2, 3, 2	2, 3, 2	—	1, 4, 2

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground	Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	51	19th	30	20th	43.3	36.0	39.8	+0.1	7	0.05	17	- 8	Lerwick	0.2	—	—	—	—	—	—	—		
Orkneys	Deerness	160	49	14, 19	31	20th	46.3	36.7	41.7	+2.1	6	0.61	15	- 6	Deerness	0.3	- 0.6	—	—	—	—	—	—		
Hebrides	Stornoway	51	51	19th	32	20th	46.4	39.6	43.1	+3.1	7	0.78	20	- 11	Stornoway	0.3	- 0.5	—	—	—	—	—	—		
	Castlebay	37	51	19th	33	20th	43.9	37.1	40.6	+2.0	5	0.81	21	+ 7	Castlebay	—	—	—	—	—	—	—	—		
Caithness	Wick	81	51	19th	33	20th	43.9	37.1	40.6	+2.0	5	0.83	21	+ 2											
Ross and Cromarty	Strathpeffer	125	52	19th	33	20th	45.9	39.3	42.7	—	7	2.35	60	—	Achnashellach	—	—	—	0	31	—	—	—		
	Achnashellach	225	52	19th	33	20th	45.9	39.3	42.7	—	3	0.43	11	—	Inverness	1.2	—	16	0	31	—	—	—		
Inverness	Inverness	242	48	19th	34	20th	46.0	38.6	42.5	—	3	0.43	11	—											
	Fort Augustus	68	52	18th	32	20th	46.4	37.3	42.0	+3.6	7	0.97	25	- 7											
	Fort William	171	50	14, 19	34	20th	46.6	39.3	43.1	+3.5	7	1.77	45	- 12											
1. SCOTLAND, E.																									
Nairn	Nairn	82	50	19th	34	20th	44.7	39.3	42.1	+4.0	2	0.29	7	- 5	Nairn	0.5	—	7	—	—	—	—	—		
Elgin	Gordon Castle	101	52	19th	33	17, 20	46.9	35.7	41.5	+2.5	2	0.16	4	- 8	Gordon Castle	0.9	—	12	—	—	—	—	—		
Aberdeen	Aberdeen	46	54	19th	34	20th	45.1	38.9	42.1	+3.4	4	0.11	3	- 10	Aberdeen	2.2	+0.5	29	1	26	—	—	40.7 +0.9		
	Balmoral	930	49	19th	31	20th	45.0	34.3	39.9	+4.7	5	0.27	7	- 9	Balmoral	—	—	3	27	—	—	—	—		
Perth	Criff	478	52	19th	31	20th	46.7	36.7	41.9	+4.1	6	0.23	6	- 18	(Kinc.) Crathes	2.0	+0.1	27	5	25	37.1	—	40.0		
Forfar	Dundee	147	50	14th	31	20th	45.4	34.7	40.3	—	2	0.07	2	—	Dundee	2.9	—	38	2	30	36.3	—	—		
Fife	Inchkeith	190	50	19th	38	20th	44.7	41.0	42.9	—	1	0.09	2	—	Inchkeith	2.5	—	33	0	33	—	—	—		
Midlothian	Edinburgh	441	50	19th	33	20th	45.6	39.4	42.6	+3.8	4	0.16	4	- 6	Edinburgh	2.1	+0.3	27	1	30	—	—	—		
Peebles	West Linton	770	49	14th	31	20th	44.7	35.4	40.2	+5.1	7	0.41	10	—	West Linton	—	—	2	27	—	—	—	—		
Berwick	Marchmont	498	52	19th	36	14th	46.3	37.7	42.2	+4.9	2	0.03	1	- 12	Marchmont	2.0	+0.5	26	—	—	—	—	—		
6a. SCOTLAND, W.																									
Argyle	Ford	149	50	19th	35	20th	47.3	38.4	43.0	—	7	1.30	33	—	Ford	—	—	—	0	31	41.0	—	—		
Renfrew	Renfrew	49	51	19th	36	18th	46.4	40.7	43.7	—	3	0.43	11	—	Renfrew	2.1	—	27	1	28	—	—	—		
Bute	Rothsay	200	50	14th	35	20th	47.0	40.0	43.6	+3.4	7	1.09	28	+ 2	Rothsay	1.0	—	13	0	33	41.0	—	43.0 +0.9		
Ayr	Kilmarnock	90	49	15, 16, 19	32	20th	46.9	38.3	42.8	+4.6	4	0.65	17	- 3	Kilmarnock	1.4	—	19	—	—	40.6	—	43.2		
	Colmonell	170	50	19th	36	20th	47.1	40.7	44.0	+4.6	5	0.60	15	- 10	Colmonell	—	—	—	0	34	—	—	—		
Dumfries	Dumfries	140	50	15, 16, 19	32	20th	47.9	39.4	43.8	+5.2	2	0.15	4	- 13	Dumfries	2.3	—	29	1	27	40.2	+2.7	42.1		
	Eskdalemuir	794	49	19th	35	20th	44.1	38.1	41.2	—	6	0.42	11	—	Eskdalemuir	2.7	—	35	0	31	—	—	+1.3		
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	49	19th	37	20th	46.6	41.6	44.2	+2.7	5	0.25	6	- 14	Douglas	2.6	+1.0	33	0	33	—	—	—	—	
2. ENGLAND, N.E.																									
Northum-berland	Cockle Park	324	50	14th	32	20th	47.3	37.6	42.6	+5.5	1	0.01	0.3	- 10	Cockle Park	2.4	+0.7	31	5	26	39.4	+3.1	40.6 +0.8		
	Tynemouth	118	52	19th	37	20th	46.1	40.0	43.2	+4.3	0	0.00	0.1	- 7	Tynemouth	—	—	—	0	32	—	—	—		
Durham	Durham	336	51	19th	32	20th	48.0	37.6	43.0	+5.6	3	0.06	1	- 6	Durham	2.7	+1.2	34	1	30	—	—	—		
York	Rounton	249	50	14th	34	18, 20	47.0	37.3	42.3	+5.0	2	0.08	2	- 6	Rounton	—	—	—	5	24	38.1	—	—		
N. Riding	West Witton	605	48	14th	34	14th	44.6	38.0	41.4	—	3	0.16	4	—	West Witton	1.9	+0.4	28	—	—	37.8	—	40.7		
	Scarborough	118	50	14th	32	14, 15	45.4	37.3	41.5	+2.5	3	0.11	3	- 6	Scarborough	1.9	+0.4	28	—	—	—	—	41.3		
	York	56	51	14th	36	20th	47.9	39.4	43.8	+5.6	3	0.09	2	- 6	York	1.6	+0.6	20	—	—	40.0	+1.4	42.4 +0.3		
E. Riding	Spurn Head	26	48	14th	34	17th	43.3	37.6	40.6	+1.9	4	0.07	2	- 4	Spurn Head	1.2	—	15	—	—	—	—	—		
Lincoln	Lincoln	58	49	14, 19	30	14th	45.7	35.7	40.9	+3.5	3	0.12	3	- 5	Lincoln	—	—	—	3	28	37.9	+0.8	41.4 -0.3		
	Cranwell	237	49	14th	30	17th	44.0	36.7	40.5	+3.1	3	0.13	3	- 5	Cranwell	1.9	+0.3	24	1	21	—	—	—		
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.4	+0.6	30	—	—	—	—	—		
3. ENGLAND, E.																									
Norfolk	Cromer	196	50	14th	32	18th	43.9	35.1	39.7	+1.9	5	0.15	4	- 3	Cromer	2.0	+0.4	24	—	—	—	—	—		
	Yarmouth	13	51	14th	31	11th	44.3	35.6	40.1	+2.4	6	0.45	11	+ 3	Yarmouth	2.1	—	25	1	26	39.1	+0.1	42.7 -1.0		
	Norwich	93	51	14th	29	17, 18	44.4	33.4	39.1	+1.8	5	0.48	12	+ 3	Norwich	1.6	—	19	4	22	36.2	—	—		
	Geldeston	37	52	14th	29	17th	45.4	32.9	39.4	+1.4	6	0.36	9	+ 1	Geldeston	2.2	+0.6	26	—	—	—	—	—		
Cambridge	Cambridge	41	48	20th	23	17th	43.4	33.1	38.5	+0.9	4	0.13	3	- 4	Cambridge	1.6	+0.1	19	4	18	38.7	0.0	42.8 -0.3		
Hertford	Rothamsted	420	51	14th	26	17th	44.7	32.1	31.7	+1.5	4	0.26	7	- 3	Rothamsted	1.9	+0.4	22	5	17	37.8	—	—		
Middlesex	Tottenham	51	51	14th	28	17th	46.9	34.4	40.9	—	3	0.24	6	—	Tottenham	1.0	—	12	—	—	—	—	—		
Essex	Clacton-on-Sea	54	51	14th	31	18th	44.3	35.1	39.9	+2.1	4	0.36	9	+ 3	Clacton-on-Sea	2.8	+1.2	34	3	25	39.1	-0.7	43.0 -1.2		
	Southend	90	50	14th	32	14, 17, 19	45.3	33.9	39.8	—	5	0.24	6	—	Southend	1.9	—	23	4	28	38.9	—	—		
4. MIDLAND COUNTIES.																									
York	Harrogate	479	48	14th	33	14th	44.3	37.0	40.8	+3.9	3	0.11	3	- 10	Harrogate	2.2	+0.7	27	0	31	39.9	+1.7	41.0 +0.5		
W. Riding	Sheffield	429	51	14th	35	20th	47.7	39.6	43.8	—	5	0.17	4	- 10	Sheffield	1.4	+0.2	18	0	31	39.0	+1.1	41.0 -1.1		
Derby	Buxton	987	46	14th	34	19, 20	42.9	36.9	40.0	+4.5	6	1.46	37	+15	Buxton	0.9	—	11	0	31	38.1	+0.9	40.6 -1.1		
Nottingham	Worksop(HodsckP)	56	50	14, 19	32	14, 19	46.9	37.0	42.2	+4.6	4	0.17	4	- 5	Worksop	1.4	+0.3	17	5	23	38.5	—	41.1		
	Nottingham	82	51	14th	35	19th	45.4	38.9	42.3	+4.5	3	0.13	3	- 5	Nottingham	0.5	- 0.5	6	1	29	38.8	+1.7	40.6 +0.3		
Warwick	Birmingham(Edg.)	525	52	14th	36	19th	44.9	37.9	41.5	+3.5	6	0.34	9	- 1	Birmingham	0.8	- 0.2	10	0	31	40.8	+1.0	44.4 0.0		
Northampton	Raunds	213	52	14th	22	17th	46.9	31.6	39.6	+2.8	3	0.11	3	- 6	Raunds	1.6	—	19	4	21	38.9	—	—		
Oxford	Oxford	208	51	14th	26	17th	46.1	34.0	40.3	+1.7	4	0.21	5	- 4	Oxford	1.3	- 0.2	16	6	19	—	—	—		
Stafford	Cheadle	646	47	14, 19	32	14th	44.3	35.3	40.0	+3.3	7	0.44	11	- 1	Cheadle	—	—	—	4	29	—	—	—		

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean								Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.																									
Cardigan	Aberystwyth	16	h	48	17th	38	20th	46.0	42.1	44.1	—	4	0.40	10	—	Aberystwyth	1.2	— 0.6	14	—	—	—	—	—	—
Pembroke	St. Ann's Hd.	149	h	51	14th	42	18, 19	47.3	43.4	45.4	+2.6	1	0.04	1	- 15	St. Ann's Hd.	1.7	+0.1	21	—	—	—	—	—	—
Radnor	Rhayader	757	a	49	14th	27	14th	45.0	35.9	40.6	—	5	0.26	9	—	Rhayader	1.8	—	22	3	23	—	—	—	—
Glamorgan	Cardiff	202	p	52	14th	35	19, 20	47.3	38.0	42.8	+3.8	4	0.13	3	- 15	Cardiff	1.7	—	21	0	31	39.9	+0.2	43.9	- 0.1
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	51	14th	31	19th	46.4	37.6	42.2	+2.7	4	0.10	3	- 9	Bath	1.3	+0.1	16	—	—	39.2	—	43.7	—
Dorset	Shaftesbury	722	a	47	14, 19	27	14th	44.0	32.6	38.5	+0.7	4	0.19	5	- 8	Shaftesbury	—	—	—	—	—	39.0	—	43.1	—
	Portland Bill	19	t	50	16th	39	19th	48.0	40.9	44.6	+2.4	1	0.02	0.4	- 11	Weymouth	2.5	—	30	—	—	—	—	—	—
Devon	Arlington	613	a	48	14, 16	29	14th	46.0	36.5	41.4	+2.1	4	0.16	4	- 20										
	Cullompton	202	a	50	14, 19	25	14th	48.3	32.3	40.6	+0.7	4	0.09	2	- 14	Cullompton	1.6	+0.1	18	5	22	41.1	—	—	—
	Plymouth	116	p	52	14th	35	19, 20	48.9	39.0	44.2	+1.8	5	0.09	2	- 14	Plymouth	1.5	- 0.2	17	3	29	41.9	- 0.3	46.1	—
Cornwall	Newquay	190	h	50	14th	37	19th	47.1	42.7	45.0	+1.5	3	0.10	3	- 12	Newquay	1.5	- 0.2	18	—	—	44.8	—	47.1	—
	Falmouth	167	h	52	14th	39	19th	48.3	41.9	45.2	+1.7	5	0.15	4	- 17	Falmouth	1.9	+0.1	22	0	32	43.0	—	45.1	—
9. IRELAND, N.																									
Donegal	Malin Head	71	t	50	19th	42	20th	47.1	43.6	45.4	+4.1	6	0.51	13	- 1	Malin Head	0.5	—	7	—	—	—	—	—	—
Mayo	Blackod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallanary	120	a	—	—	—	—	—	—	—	—	—	—	—	—	Mallanary	—	—	—	—	—	—	—	—	—
Sligo	Markree Castle	122	p	52	15, 16, 20	33	18th	50.7	40.6	45.9	+5.8	6	0.36	9	- 11	Markree Castle	0.6	- 0.8	6	1	28	42.5	+1.8	44.9	+0.4
Armagh	Armagh	204	p	51	19th	36	18th	48.0	39.7	44.0	+4.1	3	0.18	5	- 8	Armagh	1.4	0.0	18	0	31	41.7	+1.6	43.9	+0.5
Down	Donaghadee	35	t	52	19th	39	18, 20	47.9	41.6	44.9	+3.9	4	0.13	3	- 10										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	52	19th	37	18th	49.0	40.7	45.0	+2.6	3	0.13	3	- 9										
King's County	Birr Castle	175	t	50	19th	33	18th	47.3	40.6	44.1	+3.7	7	0.19	5	- 10	Phoenix Park	1.2	- 0.5	15	1	30	42.0	+0.8	44.0	- 0.2
Kilkenny	Kilkenny	195	a	51	19th	31	18th	47.4	36.6	42.2	+1.7	4	0.11	3	- 14	Dublin City	—	—	—	1	30	—	—	—	—
Waterford	Waterford	137	a	52	19th	34	18th	48.6	38.1	43.6	+1.4	5	0.19	5	- 14	Birr Castle	1.4	- 0.1	17	1	24	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	50	14, 19	35	18th	47.7	38.1	43.1	—	3	0.21	5	—	Seskin	1.9	—	24	0	31	—	—	—	—
Limerick	Foynes	50	a	54	16th	38	17th	49.9	42.1	46.2	+3.8	5	0.13	3	- 17										
Kerry	Cahiriveen (Val.O.)	30	t	52	19th	34	18th	49.6	44.3	47.1	+2.2	5	0.15	4	- 25	Cahiriveen (Valencia O.)	1.3	- 0.2	15	0	31	—	—	—	—
Cork	Killarney	174	a	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	1.9	+0.1	23	—	—	—	—	—	—
	Roche's Point	32	t	51	14, 19	38	18th	49.0	42.9	46.1	+2.1	3	0.04	1	- 21										
11. CHANNEL, ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	51	14th	40	15th	49.0	43.7	46.5	+0.8	4	0.23	6	- 9	Scilly	2.1	+0.3	24	—	—	—	—	—	—
Guernsey	Grange	173	p	52	16th	36	17, 18	49.9	40.1	45.2	+1.9	4	0.14	3	- 11	Grange	2.5	+0.7	29	2	26	42.6	- 1.2	46.2	- 0.8
Jersey	St. Aubins	25	t	52	16th	32	18th	48.6	38.6	43.8	+1.1	3	0.17	4	- 10	St. Heliers	2.5	+0.4	29	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, January 20th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Orkneys **Deerness (Cup Anr.)	188	10	5	14, 15	19	13, 14, 15, 18, 19	28	56	45	6	14	280	49	22	14	22	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	†	—	0	14, 15, 19	12	61	88	7	0	300	30	13	19	19	58	26	19	19	5
Edinburgh Edinburgh ...	485	39	31	14	1	14, 15, 18, 19, 20	52	60	43	12	0	260	40	18	14	6	62	28	14	6	30
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	15, 19	2	64	92	10	0	300	24	11	19	18	57	26	15	6	25
Dumfries Eskdalemuir ...	825	50	22	—	0	14, 15, 19, 20	53	33	60	22	0	300	37	17	20	6	58	26	14	22	20
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	14, 15, 19, 20	27	64	55	22	0	280	36	16	19	18	56	25	19	17	15
York, E.R. Spurn Head ...	67	41	†	20	1	14, 15, 19, 20	29	72	58	8	0	330	41	18	20	13	68	31	20	11	50
Lincoln Cranwell ...	280	43	31	—	0	20	1	80	(81)	(6)	0	330	27	12	20	12	36	16	20	11	40
3. ENGLAND, E																					
Norfolk Gorleston ...	62	42	†	—	0	20	5	34	95	34	0	360	30	13	20	15	63	28	20	15	35
Essex Shoeburyness...	103	90	†	—	0	20	6	78	79	5	0	350	33	15	20	15	50	22	20	15	0
5. ENGLAND, S.E.																					
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	15	114	39	0	260 350	19	9	19 20 20 15	—	—	—	—	—	—
Kent Lympne ...	409	70	†	—	0	20	13	53	97	5	0	350	37	17	20	16	58	26	20	14	35
Surrey Croydon ...	284	40	24	—	0	—	0	24	105	39	0	350	20	9	20	15	39	17	20	3	20
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	59	88	21	0	320	20	9	20	14	39	17	20	14	10
Sussex Brighton ...	261	53	6	—	0	—	0	26	122	20	0	—	24	11	20	12	39	17	20	11	45
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	20	3	90	56	19	0	340	29	13	20	14	55	25	20	11	15
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	19, 20	12	91	(58)	(7)	0	360	34	15	20	13	50	22	20	12	45
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	20	6	14, 15, 16, 19, 20	56	42	59	5	0	300	40	18	20	6	—	—	—	—	—
Lancashire Southport ...	80	62	48	20	2	14, 15, 19, 20	62	56	40	8	0	330	40	18	20	10	58	26	20	6	5
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	†	20	4	14, 15, 19, 20	46	74	34	10	0	300	42	19	20	9	59	26	20	9	20
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	20	3	29	112	24	0	—	26	12	20	13	49	22	20	13	20
Cornwall Pendennis Castle...	256	65	24	—	0	19, 20	9	45	78	36	0	350	30	13	20	15	49	22	20	15	30
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	19	1	14, 15, 19, 20	43	80	17	27	0	250	39	17	19	17	—	—	—	—	—
Clare Quilty ...	100	40	†	—	0	19, 20	16	41	38	0	73	—	31	14	20	5	45	20	20	4	30
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	20	5	47	90	26	0	350	27	12	20	11	45	20	20	4	50
Cork Weaver Pt. ...	160	30	†	—	0	19, 20	6	44	109	9	0	—	31	14	20	5	54	24	20	5	5
11a. SCILLY ISLES.																					
Scilly St. Mary's (Cup Anr.)...	150	19	—	—	0	19, 20	25	64	63	16	0	340	38	17	20	13	—	—	—	—	—

‡‡ Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable

* Cup Anemometer.

‡Standard mounting.

\$Direction from the Robinson Anemometer at Falmouth Observatory.

**For Decerness the week ends at midnight on Friday.

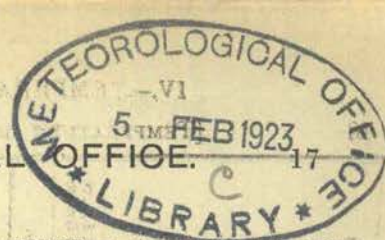
First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRD WEEK of 1923—January 14th to January 20th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal									Below 42°
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.		%
0. SCOTLAND, NORTH ..		52	30	45.4	38.1	41.9	+3.0	10	+4	10	-17	6	+1	1.17	30	-4	0.6	-0.2	8	1018
Eastern.																				
1. SCOTLAND, EAST ..		54	31	45.5	37.4	41.6	+3.7	10	+4	13	-21	4	0	0.20	5	-10	1.9	+0.4	26	1021
2. ENGLAND, N.E. ..		52	30	46.1	37.7	42.0	+3.7	11	+5	11	-21	2	-1	0.07	2	-6	2.1	+0.7	27	1025
3. ENGLAND, EAST ..		52	23	44.7	34.0	39.5	+1.8	8	+3	25	-10	5	+1	0.30	8	-1	1.9	+0.5	23	1026
4. MIDLAND COUNTIES ..		52	22	45.9	35.9	41.1	+3.2	11	+4	17	-19	4	0	0.18	5	-5	1.4	0.0	17	1028
5. ENGLAND, S.E. ..		52	24	45.2	33.3	39.5	+0.2	9	0	26	-2	3	0	0.21	5	-7	1.8	+0.3	21	1028
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		51	32	47.0	39.9	43.6	+3.7	17	+8	6	-16	5	0	0.64	16	-10	—	—	—	1024
7. ENGLAND, N.W. (and North Wales) ..		51	31	46.9	40.9	44.0	+4.5	17	+9	3	-22	5	+1	0.37	10	-6	1.7	+0.4	21	1028
8. ENGLAND, S.W. (and South Wales) ..		52	25	46.9	37.8	42.5	+1.5	15	+2	12	-8	4	0	0.13	3	-15	1.6	0.0	19	1030
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.0	-0.4	12	1026
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5	-0.1	18	1032
11. CHANNEL ISLANDS (and Scilly) ..		52	32	49.2	40.8	45.2	+1.0	26	+3	3	-5	4	-1	0.18	5	-9	2.4	+0.4	28	1032
MEAN: DISTRICTS 1-10																				
THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, December 3rd, 1922, to January 20th, 1923.																				
0. SCOTLAND, NORTH ..		57	21	44.4	36.7	40.7	+2.0	54	—	116	—	42	+5	11.66	296	+64	0.9	+0.2	13	1002
Eastern.																				
1. SCOTLAND, EAST ..		57	15	44.1	35.2	39.9	+2.4	48	—	151	—	32	+3	4.19	107	-8	1.4	+0.3	21	1004
2. ENGLAND, N.E. ..		56	26	45.2	36.6	41.1	+2.3	67	—	112	—	27	0	3.69	95	+12	1.7	+0.5	23	1009
3. ENGLAND, EAST ..		54	23	45.6	36.4	41.2	+2.5	77	—	117	—	31	+2	3.19	82	-2	1.7	+0.3	22	1013
4. MIDLAND COUNTIES ..		56	22	46.0	36.6	41.5	+3.0	85	—	109	—	30	+1	5.07	129	+31	1.5	+0.3	19	1012
5. ENGLAND, S.E. ..		53	22	46.5	36.9	41.9	+1.5	96	—	101	—	27	0	4.91	125	+15	1.8	+0.3	23	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		55	20	46.1	37.7	42.0	+2.0	93	—	91	—	39	+6	8.38	212	+6	—	—	—	1007
7. ENGLAND, N.W. (and North Wales) ..		58	28	46.6	39.3	43.1	+3.0	104	—	49	—	35	+5	5.96	153	+18	1.2	+0.1	16	1010
8. ENGLAND, S.W. (and South Wales) ..		54	24	47.7	38.7	43.4	+1.4	131	—	64	—	34	+2	7.79	196	+20	1.5	0.0	19	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	-0.1	15	1007
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	32	49.9	42.9	46.5	+1.1	226	—	3	—	35	-1	7.12	181	+30	1.8	0.0	22	1016
MEAN: DISTRICTS 1-10..																				
THE YEAR. Aggregates, &c., for the Period of 3 Weeks, 31st December, 1922, to January 20th, 1923.																				
0. SCOTLAND, NORTH ..		54	26	44.3	36.4	40.5	+2.3	20	+3	50	-47	19	+4	5.79	147	+55	0.9	+0.2	14	1005
Eastern.																				
1. SCOTLAND, EAST ..		54	20	44.0	35.0	39.7	+2.6	17	+2	66	-50	15	+3	1.84	47	+3	1.9	+0.7	27	1008
2. ENGLAND, N.E. ..		54	27	45.0	36.0	40.7	+2.7	25	+9	53	-47	11	0	0.92	24	-7	2.3	+1.1	29	1013
3. ENGLAND, EAST ..		53	23	45.0	34.7	40.0	+2.4	26	+7	67	-45	15	+3	1.27	33	+1	2.0	+0.5	25	1016
4. MIDLAND COUNTIES ..		55	22	45.7	35.2	40.7	+3.1	31	+9	59	-56	13	+1	1.45	37	+1	1.8	+0.5	23	1010
5. ENGLAND, S.E. ..		53	22	45.9	34.8	40.5	+1.3	32	+3	63	-25	13	+2	1.65	42	+4	2.2	+0.7	26	1017
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		54	20	46.0	36.8	41.6	+2.2	36	+12	45	-32	17	+3	3.85	97	+20	—	—	—	1011
7. ENGLAND, N.W. (and North Wales) ..		56	28	46.4	38.8	42.7	+3.4	42	+17	26	-55	16	+4	1.94	50	0	1.6	+0.4	21	1015
8. ENGLAND, S.W. (and South Wales) ..		54	24	47.1	37.3	42.4	+1.5	47	+6	39	-25	15	+2	2.15	54	-6	1.9	+0.3	24	1018
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.4	+0.1	18	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	32	49.4	41.7	45.7	+1.4	82	+10	3	-22	15	0	1.77	45	-7	2.5	+0.6	30	1021
MEAN: DISTRICTS 1-10 ..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn. 26th January, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses: IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH.

Forty-Sixth Year. } No. 4.
Vol. XL (New Series) }

FOURTH WEEK.

SUNDAY, JANUARY 21ST, TO SATURDAY, JANUARY 27TH, 1923.

Price 9d. Net, Post free 9½d.

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(including Postage), 22 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was for the most part of an anticyclonic type, being characterised by light rain-fall and rather high temperature. There were, however, one or two rather heavy falls of rain in Scotland, Achnashellach (Ross-shire) recording 24mm. on the 21st and 41mm. on the 23rd, but in most places the rain-fall was considerably less than the normal, in fact, in some instances the week was rainless. Hail was reported at one or two stations in the east of England. The winds were mainly westerly or south-westerly in direction and at a few places in Scotland and the north of England gale force was recorded. The mean temperature of the week was above the normal in all districts, the greatest excess occurring in Scotland N. and Scotland E. Maximum temperatures above 50°F. were registered at the majority of stations, the highest readings 54°F. being recorded at Aberdeen, Oxford, Scarborough and Tunbridge Wells. There were no very low screen minimum temperatures obtained, the actual extreme,

22°F., being registered at Eskdalemuir on the morning of the 23rd. Ground frosts occurred at practically all stations, and at a few places some low readings were registered, the grass minimum being 13°F. at Rhayader (Radnor) on the 23rd and 14°F. at Tunbridge Wells, 15°F. at Wisley (Surrey) and 16°F. at Porton (Salisbury Plain) on the 24th. In most parts of the country the brightest day of the week was the 23rd when a large number of stations had more than 7 hours sunshine. Amongst the largest amounts recorded were 7.8 hours at Falmouth, about 7.5 hours at Cullompton (Devon), Newquay, Plymouth, Torquay and Weymouth, and 7.3 hours at Clacton, Oxford, Ross-on-Wye, and Southampton. The departure of the mean duration from the normal for the week ranged from +1.9 hours at Scarborough to -1.6 hours at Aspatria (Cumberland). Lunar halos were witnessed at Oxford on the 23rd and 27th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM			SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
			Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
			m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s	m.p.h	m/s
South	...	...	14	11	4.8	7	6	2.6	11	2	0.8	7	3	1.3	17	4	1.9	3	3	1.4	26	6	2.8	18	5	2.3
North	...	...	10	13	6.0	4	6	2.9	10	4	2.0	7	3	1.3	6	10	4.4	21	8	3.6	2	5	2.4	8	4	1.9
West	...	...	28	27	12.2	28	23	10.3	27	7	3.0	24	5	2.3	28	14	6.3	22	9	4.0	28	15	6.6	26	8	3.4
East	...	...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	4	2.0	0	—	—	0	—	—
Calm (or wind- speed < 4 m.p.h.)			0	—	—	0	—	—	1	—	—	3	—	—	0	—	—	3	—	—	0	—	—	2	—	—
No record	...		0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											Extreme S.
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).
Comparison with the normal for the time of year	Warmth	Very Unusual	Very Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	—	—	Moderate
	Rainfall	Moderate	Light	Light	Light	Very Light	Very Light	Light	Very Light	Very Light	—	—	Light
	Sunshine	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	—	Scanty	Moderate	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 8 weeks from Dec. 3rd, 1922.	THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.													
	Warmth	4, 4, 0	5, 3, 0	5, 3, 0	5, 3, 0	7, 1, 0	1, 7, 0	3, 5, 0	6, 2, 0	1, 7, 0	—	—	1, 7, 0	—
	Rainfall	3, 5, 0	4, 0, 4	2, 3, 3	3, 2, 3	3, 1, 4	3, 1, 4	4, 2, 2	3, 2, 3	3, 1, 4	—	—	3, 1, 4	—
Sunshine	4, 4, 0	4, 4, 0	5, 2, 1	4, 3, 1	4, 2, 2	5, 2, 1	—	4, 1, 3	2, 4, 2	2, 3, 3	—	—	1, 4, 3	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

18

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean				Mean	Lowest Reading					Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																								
Shetlands	54	t	51	25th	30	21, 23	46.7	35.4	41.3	+2.4	7	1.10	23	Lerwick	0.4	—	—	—	—	—	—	—	—	—
Orkneys	160	p	52	26th	34	23rd	49.7	40.6	45.3	+6.4	6	1.04	27	Deerness	0.2	—	—	—	—	—	—	—	—	—
Hebrides	51	t	51	24th	35	23rd	49.3	45.3	46.7	+7.3	7	0.59	15	Stornoway	0.3	—	—	—	—	—	—	—	—	—
Castlebay	37	t	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—	—
Wick	81	t	51	21, 24	33	21st	49.3	42.4	46.0	+8.0	5	0.54	14	—	—	—	—	—	—	—	—	—	—	
Ross and Cromarty	125	a	51	21, 24-26	33	23rd	50.3	41.4	46.0	+8.5	7	0.94	24	—	—	—	—	—	—	—	—	—	—	
Achnashellach	225	a	50	21st	33	23rd	48.1	42.9	45.6	—	7	4.74	120	Achnashellach	—	—	—	—	—	—	—	—	—	—
Inverness	242	a	—	—	—	—	—	—	—	—	5	0.33	8	Inverness	1.0	—	—	—	—	—	—	—	—	—
Fort Augustus	68	a	51	21st	32	23rd	49.4	40.1	44.9	+7.1	7	1.07	27	—	—	—	—	—	—	—	—	—	—	
Fort William	171	p	51	24th	34	23rd	50.0	41.6	46.0	+7.0	7	1.41	36	—	—	—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																								
Nairn	82	t	52	21st	35	21, 23	50.3	44.0	47.3	+9.6	6	0.31	8	Nairn	1.3	—	—	—	—	—	—	—	—	—
Elgin	101	p	53	21, 26	34	21st	51.4	40.4	46.1	+7.5	3	0.34	9	Gordon Castle	1.6	—	—	—	—	—	—	—	—	—
Aberdeen	46	a	54	24, 27	34	21st	51.4	41.7	46.7	+8.2	2	0.18	5	Aberdeen	2.0	+0.2	—	—	—	—	—	—	—	—
Balmoral	930	a	50	21st	30	21, 23	48.6	38.7	43.9	+9.2	3	0.32	8	Balmoral	—	—	—	—	—	—	—	—	—	+1.0
Perth	478	p	54	24th	30	23rd	51.4	39.0	45.5	+7.9	2	0.04	1	Perth	2.2	+0.1	—	—	—	—	—	—	—	—
Forfar	147	a	53	21, 27	32	23rd	51.4	39.0	45.5	—	1	0.02	1	Forfar	3.0	—	—	—	—	—	—	—	—	—
Inchkeith	190	t	50	21, 24	35	23rd	48.0	42.1	45.2	—	0	0.00	0	Inchkeith	1.3	—	—	—	—	—	—	—	—	—
Edinburgh	441	p	50	21st	31	23rd	48.0	40.0	44.2	+5.8	1	0.03	1	Edinburgh	1.4	-0.5	—	—	—	—	—	—	—	—
West Linton	770	a	48	27th	25	23rd	46.9	35.9	41.6	+6.8	7	0.16	4	West Linton	—	—	—	—	—	—	—	—	—	—
Marchmont	498	a	52	24th	27	23rd	49.3	36.3	43.1	+6.1	1	0.06	2	Marchmont	1.8	+0.1	—	—	—	—	—	—	—	—
2a. SCOTLAND, W.																								
Ford	149	a	—	—	—	—	—	—	—	—	—	—	—	Ford	—	—	—	—	—	—	—	—	—	—
Renfrew	49	t	52	21st	30	23rd	49.4	41.9	45.8	—	4	0.24	6	Renfrew	0.8	—	—	—	—	—	—	—	—	—
Rothsay	200	p	49	21, 24, 27	34	23rd	47.9	40.1	44.2	+4.2	7	0.56	14	Rothsay	0.1	—	—	—	—	—	—	—	—	—
Kilmarnock	90	a	51	27th	31	23rd	48.9	39.6	44.4	+6.2	5	0.22	5	Kilmarnock	0.2	—	—	—	—	—	—	—	—	—
Colmonell	170	a	50	24, 27	35	23rd	48.6	41.7	45.3	+6.1	3	0.08	2	Colmonell	—	—	—	—	—	—	—	—	—	—
Dumfries	140	p	51	27th	29	23rd	48.6	39.0	44.0	+5.4	1	0.03	1	Dumfries	0.4	—	—	—	—	—	—	—	—	—
Eskdalemuir	794	t	49	24th	22	23rd	45.7	36.6	41.3	—	7	0.20	7	Eskdalemuir	0.2	—	—	—	—	—	—	—	—	+1.9
3. ISLE OF MAN.																								
Douglas	284	a	50	21, 24, 21	36	23rd	48.6	40.7	44.8	+3.7	3	0.13	3	Douglas	1.2	-0.5	—	—	—	—	—	—	—	—
2. ENGLAND, N.E.																								
Cockle Park	324	p	50	27th	28	23rd	47.6	37.3	42.7	+5.6	1	0.08	2	Cockle Park	2.4	+0.4	—	—	—	—	—	—	—	+1.5
Tynemouth	118	t	51	24, 27	32	21, 23	48.1	39.7	44.1	+5.2	1	0.12	3	Tynemouth	—	—	—	—	—	—	—	—	—	—
Durham	336	p	52	27th	29	23rd	48.3	37.0	42.9	+5.4	1	0.09	2	Durham	2.1	+0.4	—	—	—	—	—	—	—	—
Rounton	249	p	49	27th	27	21, 23	49.0	35.7	42.6	+5.2	1	0.06	2	Rounton	—	—	—	—	—	—	—	—	—	—
West Witton	605	a	49	27th	29	21st	47.3	36.4	42.1	—	2	0.08	2	West Witton	—	—	—	—	—	—	—	—	—	—
Scarborough	118	a	54	27th	33	21st	49.1	38.4	44.0	+4.9	1	0.15	5	Scarborough	3.5	+1.9	—	—	—	—	—	—	—	—
York	56	p	52	25th	30	21, 23	48.1	37.9	43.2	+4.8	1	0.04	1	York	2.1	+0.9	—	—	—	—	—	—	—	+0.8
Spurn Head	26	t	48	24th	34	21st	45.1	37.0	41.6	+2.8	1	0.04	1	Spurn Head	2.5	—	—	—	—	—	—	—	—	—
Lincoln	58	a	50	24, 27	30	21st	48.0	35.4	42.0	+4.3	1	0.01	0.3	Lincoln	—	—	—	—	—	—	—	—	—	—
Cranwell	237	t	50	24th	28	21st	43.9	35.7	41.0	+3.3	1	0.08	2	Cranwell	2.2	+0.3	—	—	—	—	—	—	—	—
Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.8	+0.8	—	—	—	—	—	—	—	—
3. ENGLAND, E.																								
Cromer	196	a	50	24, 25	33	21st	47.4	36.7	42.3	+3.9	2	0.04	1	Cromer	3.8	+1.6	—	—	—	—	—	—	—	—
Yarmouth	13	a	51	25th	34	21, 24, 26	46.3	36.3	41.5	+3.3	1	0.12	3	Yarmouth	3.5	—	—	—	—	—	—	—	—	—
Norwich	93	a	49	25th	33	21, 24, 26	45.7	34.9	40.5	+2.5	2	0.05	1	Norwich	2.8	—	—	—	—	—	—	—	—	—
Gedeston	37	a	53	25th	32	24, 26	47.4	34.0	41.0	+2.4	2	0.04	1	Gedeston	2.7	+0.6	—	—	—	—	—	—	—	—
Cambridge	41	p	49	22, 27	27	21st	46.1	33.6	40.1	+1.8	0	0.00	0.1	Cambridge	1.7	-0.4	—	—	—	—	—	—	—	—
Rothamsted	420	a	49	22nd	27	24th	45.9	33.4	39.9	+2.1	0	0.00	0.1	Rothamsted	1.9	+0.1	—	—	—	—	—	—	—	—
Tottenham	51	p	51	22, 25	32	21st	47.7	39.1	43.6	—	0	0.00	0	Tottenham	1.7	—	—	—	—	—	—	—	—	—
Clacton-on-Sea	54	t	52	25th	32	21st	45.4	36.0	40.9	+2.6	0	0.00	0	Clacton-on-Sea	3.3	+1.0	—	—	—	—	—	—	—	-1.4
Southend	90	a	55	25th	31	21st	46.4	34.7	40.8	—	1	0.02	1	Southend	2.0	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																								
Harrogate	479	a	50	25th	29	21, 23	46.6	36.6	41.8	+4.3	2	0.02	1	Harrogate	2.2	+0.3	—	—	—	—	—	—	—	+1.1
Sheffield	429	p	50	24, 25	33	23rd	48.0	39.9	44.1	—	2	0.02	1	Sheffield	1.6	+0.1	—	—	—	—	—	—	—	-0.5
Buxton	987	p	46	24, 25	27	23rd	43.7	35.9	40.0	+4.0	4	0.30	8	Buxton	1.1	—	—	—	—	—	—	—	—	-0.5
Worksop (HodsckP)	56	a	52	24th	28	23rd	49.1	34.1	41.9	+3.5	1	0.02	1	Worksop	1.0	-0.4	—	—	—	—	—	—	—	—
Nottingham	82	t	51	24th	31	21st	47.3	38.0	42.8	+4.4	0	0.00	0.1	Nottingham	0.6	-0.7	—	—	—	—	—	—	—	—
Birmingham (Edg.)	525	p	49	24, 27	30	21st	46.3	37.0	41.8	+3.2	2	0.05	1	Birmingham	1.2	0.0	—	—	—	—	—	—	—	+0.7
Raunds	213	a	51	25th	27	21st	47.7	33.9	41.1	+3.5	1	0.01	0.2	Raunds	1.6	—	—	—	—	—	—	—	—	+0.1
Oxford	208	p	54	23th	30	21, 23	43.1	35.4	42.0	+2.8	1	0.01	0.3	Oxford	—	+0.5	—	—						

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day		Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.							*F.	*F.	*F.	*F.	*F.	*F.		
Cardigan	Aberystwyth	16	h	47	21, 24, 25	32	23rd	46.4	40.9	43.8	—	4	0.10	3	—	Aberystwyth	1.0	- 1.0	11	—	—	—		
Pembroke	St. Ann's Hd.	140	t	49	24th	37	23rd	47.9	43.0	45.6	+2.8	4	0.05	1	- 18	St. Ann's Hd.	1.1	- 0.8	12	—	—	—		
Radnor	Rhayader...	757	a	46	21, 24, 25	25	23rd	45.3	33.0	39.4	—	5	0.07	2	—	Rhayader ..	0.8	—	10	3	13	—		
Glamorgan	Cardiff	202	p	49	22, 25, 27	31	21st	47.6	38.9	43.4	+4.0	1	0.01	0.3	- 22	Cardiff	1.7	—	19	3	25	40.2		
8b. ENGLAND, S.W.																								
Somerset	Bath	66	h	50	22nd	28	21st	47.6	36.7	42.4	+2.6	2	0.02	1	- 13	Bath ..	1.4	- 0.3	16	—	—	39.7		
Dorset	Shaftesbury	722	a	46	24, 25	27	21st	44.0	32.9	38.7	+0.6	2	0.04	1	- 15	Shaftesbury ..	—	—	—	—	—	39.3		
	Portland Bill	19	t	50	25th	36	23rd	48.0	39.9	44.1	+1.8	0	0.02	1	- 12	Weymouth ..	2.0	—	23	—	—	—		
Devon	Arlington	613	a	47	22, 25, 27	29	23, 24	46.1	37.0	41.7	+2.2	3	0.16	4	- 24	Cullompton ..	1.4	- 0.2	16	3	19	41.8		
	Cullompton	202	a	50	22nd	29	24th	48.0	36.1	42.3	+2.1	5	0.08	2	- 17	Plymouth ..	1.8	- 0.1	21	3	26	42.0		
	Plymouth...	116	p	51	22nd	33	21, 23	49.0	39.3	44.3	+1.7	3	0.03	1	- 19							45.9		
Cornwall	Newquay	190	h	49	24, 25, 27	35	23rd	47.8	41.1	44.6	+1.1	4	0.17	4	- 14	Newquay ..	1.5	- 0.5	17	—	—	45.0		
	Falmouth...	167	h	51	22, 24, 26	35	23rd	48.6	40.0	44.5	+0.9	4	0.07	2	- 23	Falmouth ..	2.3	+0.3	25	2	28	43.0		
9. IRELAND, N.																								
Donegal	Malin Head	71	t	50	24th	40	23rd	48.7	44.4	46.6	+5.0	6	0.15	4	- 11	Malin Head ..	0.5	—	7	—	—	—		
Mayo	Blackod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—									
	Mallary	120	a	—	—	—	—	—	—	—	—	—	—	—	—									
Sligo	Markree Castle	122	p	53	24th	26	23rd	51.3	40.4	46.1	+5.6	4	0.09	2	- 21	Mallary ..	—	—	—	—	—	—		
																Markree Castle	0.8	- 0.8	9	1	22	43.5		
Armagh	Armagh	204	p	51	21, 24, 27	31	23rd	49.4	39.3	44.6	+4.3	2	0.05	1	- 14							45.0		
Down	Donaghadee	35	t	52	21, 24, 27	34	23rd	49.9	41.4	45.8	+4.6	2	0.06	1	- 14							44.2		
10. IRELAND, S.																								
Dublin	Dublin City	54	p	51	24th	32	23rd	49.4	41.4	45.6	+3.3	4	0.06	1	- 11	Armagh ..	1.0	- 0.6	12	2	27	42.7		
King's County	Birr Castle	175	t	51	21st	28	23rd	48.0	39.3	43.8	+3.4	6	0.13	3	- 11							44.2		
Kilkenny	Kilkenny	195	a	50	21, 24, 27	26	23, 24	48.9	38.0	42.7	+2.1	3	0.08	2	- 14	Trinity Coll.	—	—	—	1	28	42.8		
Waterford	Waterford	137	a	52	21st	29	23, 24	49.6	38.4	44.2	+2.0	2	0.03	1	- 18	Phoenix Park	1.2	- 0.7	15	2	19	—		
	Seskin, Carrick-on-Suir	542	p	50	21, 25	32	23rd	48.0	40.1	44.2	—	1	0.06	1	—	Dublin City ..	—	—	—	2	27	—		
																Birr Castle ..	0.7	- 1.0	9	3	21	—		
Limerick	Foynes	50	a	51	25th	37	23rd	49.6	41.3	45.6	+3.3	3	0.04	1	- 19							—		
Kerry	Cahiriveen (Val.O.)	30	t	51	21, 24	39	23rd	49.9	45.0	47.6	+2.9	2	0.06	2	- 27	Seskin ..	1.3	—	16	1	24	—		
	Killarney	174	a	53	21, 24, 25	37	21st	51.1	42.4	46.9	+3.8	2	0.03	1	- 30							—		
Cork	Roche's Point	32	t	—	—	—	—	—	—	—	—	—	—	—	—							—		
11. CHANNEL ISLES & SCILLY.																								
Scilly	St. Mary's	131	t	51	22-24	42	26th	49.9	43.9	47.0	+1.3	6	0.16	4	- 12	Scilly ..	1.5	- 0.6	17	—	—	—		
Guernsey	Grange	173	p	51	25th	35	24th	49.3	40.9	45.3	+1.8	2	0.03	1	- 15	Grange ..	1.4	- 0.8	15	2	24	42.7		
Jersey	St. Aubins	25	t	52	25th	32	24th	48.3	41.0	44.8	+1.8	3	0.04	1	- 15	St. Heliers ..	1.3	- 1.0	15	—	—	—		

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, January 27th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 28 m.p.h.		25 to 28 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Feet from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Orkneys **Deerness (Cup Anr.)	188	16	5	20, 23 to 26	25	20 to 26	99	37	7	0	0	260	50	22	23	21	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	1	—	0	—	0	77	90	1	0	290	22	10	21	24	47	21	22	19	15
Edinburgh Edinburgh ...	485	39	31	24	1	21 to 27	97	61	9	0	0	270	39	17	24	4	60	27	24	4	10
2. SCOTLAND, W.																					
Rehrew Pal-ley ...	188	81	15	—	0	23, 24, 25	7	115	46	0	0	260	29	13	24	1	61	27	24	1	15
Dumfries Eskdalemuir ...	825	50	22	—	0	21 to 24, 26	21	117	22	8	0	270	31	14	22	8	51	23	22	7	5
3. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	24	4	22 to 27	41	102	21	0	0	280	42	19	24	3	63	28	24	12	20
York, E.R. Spurn Head ...	47	41	1	—	0	21, 22, 24, 27	36	113	19	0	0	270	34	15	22	15	47	21	22	14	55
Lincoln Cranwell ...	280	43	31	—	0	—	0	44	(124)	(0)	0	260	22	10	22	14	32	14	24	15	30
4. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	1	—	0	—	0	11	141	16	0	310	19	9	22	22	44	20	22	22	5
Essex Shoeburyness...	103	90	1	—	0	—	0	50	115	1	2	280	20	9	22	23	41	18	22	23	45
5. ENGLAND, S.E.																					
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	2	145	21	0	290	14	6	22	13	—	—	—	—	—
Kent Lympne ...	400	70	1	—	0	23	1	34	126	7	0	16	25	11	23	1	41	18	23	0	45
Surrey Croydon ...	284	40	24	—	0	—	0	8	(139)	(21)	0	350	15	7	23	1	29	13	23	0	50
Hampshire Petersfield (Stoner Hill)...	811	42	1	—	0	—	0	12	141	15	0	270	17	8	22	16	30	13	22	16	25
Sussex Brighton ...	261	63	6	—	0	—	0	1	128	29	0	—	14	6	22	18	25	11	22	18	35
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	55	109	4	0	260	20	9	22	15	32	14	22	14	50
Wiltshire Larkhill, S'y. Plain ...	513	63	43	—	0	—	0	88	(78)	(2)	0	310	23	10	22	15	47	21	22	23	30
6. ENGLAND, N.W.																					
Lancashire Flec wood (Cup Anr.)...	109	44	—	—	0	22, 24, 27	14	140	12	2	0	280	34	15	22	19	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	21, 25, 27	48	110	9	1	0	280	35	16	22	19	55	25	22	18	55
7. NORTH WALES.																					
Anglesey Holyhead ...	84	45	1	—	0	22, 27	7	142	19	0	0	290	29	13	22	19	44	19	22	19	10
8. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	—	0	2	75	67	24	—	14	6	22	19	25	11	22	18	10
Cornwall Penderennis Castle§ ...	256	65	24	—	0	—	0	5	96	67	0	—	14	6	24	5	22	10	23	2	15
9. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	21, 22, 24, 27	14	121	31	2	0	260	30	13	22	18	—	—	—	—	—
Clare Quilly ...	100	40	1	—	0	—	0	92	60	16	0	—	19	9	22	15	34	15	22	9	55
Kerry Cahirciveen (Val. Obs.)...	98	41	1	—	0	—	0	54	99	15	0	210	16	7	25	13	29	13	22	11	0
Cork Weaver Pt. ...	180	39	1	—	0	—	0	24	136	8	0	—	20	9	21	14	32	14	21	14	20
11a. SCILLY ISLES.																					
Scilly St. Mary's (Cup Anr.)...	150	19	—	—	0	—	0	63	80	22	3	310	22	10	22	17	—	—	—	—	—

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTH WEEK of 1923—January 21st to January 27th, 1923.

Temperature of the Air.

Rainfall.

Sunshine.

DISTRICTS.

(See Frontispiece map.)

DISTRICTS.	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.					
0. SCOTLAND, NORTH ..	51	30	49.0	41.1	45.2	+6.9	25	+18	6	-31	7	+2	1.48	38	-2	0.5	-0.4	7	1017
Eastern.																			
1. SCOTLAND, EAST ..	54	27	49.7	39.8	44.9	+7.4	26	+18	6	-31	3	-1	0.18	5	-9	2.0	+0.3	25	1021
2. ENGLAND, N.E. ..	54	27	47.7	37.2	42.7	+4.3	18	+10	13	-20	1	-2	0.08	2	-7	2.5	+0.9	30	1028
3. ENGLAND, EAST ..	53	27	46.5	35.5	41.2	+2.9	13	+5	18	-16	1	-3	0.03	1	-8	2.7	+0.6	31	1031
4. MIDLAND COUNTIES ..	54	26	47.5	35.6	41.8	+3.3	15	+6	17	-18	1	-3	0.03	1	-11	1.6	-0.1	19	1032
5. ENGLAND, S.E. ..	54	25	46.3	34.8	40.8	+1.3	12	+3	20	-6	1	-3	0.01	0	-12	2.4	+0.5	27	1033
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	52	29	48.7	40.5	44.7	+5.1	23	+12	4	-21	4	-1	0.21	5	-21	—	—	—	1027
7. ENGLAND, N.W. (and North Wales) ..	52	28	47.5	39.5	43.7	+4.0	19	+10	7	-18	2	-2	0.09	2	-16	0.7	-0.9	9	1032
8. ENGLAND, S.W. (and South Wales) ..	51	25	47.2	37.7	42.6	+1.5	16	+3	12	-8	3	-1	0.06	2	-19	1.4	-0.4	16	1035
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	-0.7	11	1029
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	-1.0	10	1035
11. CHANNEL ISLANDS (and Scilly) ..	52	32	49.2	41.9	45.7	+1.4	26	+2	0	-8	4	-1	0.08	2	-14	1.4	-0.9	16	1036
MEAN: DISTRICTS 1-10																			

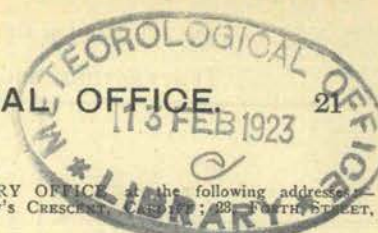
THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, December 3rd, 1922, to January 27th, 1923.

0. SCOTLAND, NORTH ..	57	21	45.0	37.2	41.3	+2.7	79	—	119	—	49	+7	13.14	334	+62	0.8	+0.1	12	1004
Eastern.																			
1. SCOTLAND, EAST ..	57	15	44.8	35.8	40.5	+3.0	74	—	157	—	35	+2	4.37	112	-17	1.5	+0.3	21	1006
2. ENGLAND, N.E. ..	56	26	45.5	36.7	41.3	+2.6	85	—	125	—	28	-2	3.77	97	+5	1.8	+0.5	24	1011
3. ENGLAND, EAST ..	54	23	45.7	36.3	41.2	+2.6	90	—	135	—	32	-1	3.22	83	-10	1.8	+0.3	23	1015
4. MIDLAND COUNTIES ..	56	22	46.2	36.4	40.3	+1.8	100	—	126	—	31	-2	5.10	130	+20	1.5	+0.2	19	1015
5. ENGLAND, S.E. ..	54	22	46.5	36.7	41.8	+1.5	108	—	121	—	28	-3	4.92	125	+3	1.9	+0.4	23	1017
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	55	20	46.4	38.0	42.4	+2.4	116	—	95	—	43	+5	8.59	217	-15	—	—	—	1009
7. ENGLAND, N.W. (and North Wales) ..	58	24	46.6	39.0	43.0	+2.9	122	—	65	—	38	+4	6.44	162	+9	1.1	-0.1	14	1013
8. ENGLAND, S.W. (and South Wales) ..	54	24	47.6	38.6	43.3	+1.4	147	—	76	—	37	+1	7.85	198	+1	1.5	0.0	18	1016
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	-0.2	15	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..	55	32	49.8	42.7	46.4	+1.1	252	—	3	—	39	-2	7.20	183	+16	1.7	-0.2	21	1019
MEAN: DISTRICTS 1-10																			

THE YEAR. Aggregates, &c., for the Period of 4 Weeks, 31st December, 1922, to January 27th, 1923.

0. SCOTLAND, NORTH ..	54	26	45.5	37.6	41.7	+3.5	45	+21	53	-76	26	+6	7.27	185	+53	0.8	0.0	12	1008
Eastern.																			
1. SCOTLAND, EAST ..	54	20	45.4	36.2	41.0	+3.8	43	+20	72	-81	18	+2	2.02	52	-6	1.9	+0.6	26	1011
2. ENGLAND, N.E. ..	54	27	45.7	36.3	41.2	+3.1	43	+19	66	-67	12	-2	1.00	26	-14	2.3	+1.0	29	1017
3. ENGLAND, EAST ..	53	23	45.3	34.9	40.3	+2.5	39	+12	85	-61	16	0	1.30	34	-7	2.2	+0.6	27	1019
4. MIDLAND COUNTIES ..	55	22	46.2	35.3	40.9	+3.1	46	+15	76	-74	14	-2	1.48	38	-10	1.8	+0.4	22	1020
5. ENGLAND, S.E. ..	54	22	46.0	34.8	40.6	+1.3	44	+6	83	-31	14	-1	1.66	42	-8	2.2	+0.6	26	1021
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	54	20	46.7	37.7	42.3	+2.9	59	+24	49	-53	21	+2	4.06	102	-1	—	—	—	1015
7. ENGLAND, N.W. (and North Wales) ..	56	24	46.5	38.8	42.9	+3.5	59	+25	35	-71	18	+2	2.06	52	-16	1.4	+0.1	18	1019
8. ENGLAND, S.W. (and South Wales) ..	54	24	47.1	37.4	42.5	+1.5	63	+9	51	-33	18	+1	2.21	56	-25	1.8	+0.2	22	1023
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.3	-0.1	16	1016
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..	55	32	49.4	41.7	45.7	+1.4	108	+12	3	-30	19	-1	1.85	47	-21	2.2	+0.2	26	1025
MEAN: DISTRICTS 1-10																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH.

FORTY-SIXTH YEAR. } No. 5.
Vol. XL. (New Series) }

FIFTH WEEK.

SUNDAY, JANUARY 28TH, TO SATURDAY, FEBRUARY 3RD, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

During the greater part of the week barometric pressure was high to the south of the British Isles and the weather was dull but fairly dry. Over the northern parts of the country, however, the weather was affected by a depression between Scotland and Iceland and rather heavy falls of rain were recorded at a number of stations. The prevailing winds were westerly or south-westerly, reaching gale force in places. The week was notable for remarkably high temperature, for the time of year, experienced in nearly all parts of the country; in fact at a few stations, during the last four days of the week, the temperature did not fall below 50°F. The highest of the maximum readings were 61°F. at Hodsock Priory (Worksop) on February 1st, and 60°F. at Geldeston (near Beccles) on the 2nd. There was a screen minimum reading of 30°F. recorded at Lerwick on January 29th, but in all other parts of the country the night temperatures were decidedly high. With the exception of a few places the mean daily range of temperature for the week was small, in fact, at St. Ann's Head it was less than 2°F. The excess above the normal of the mean temperature for the week ranged from 10·3°F. in England E. to 4·9°F. in the English Channel district. The total rainfall for the

week was above the normal in the northern districts and England south-west but generally below elsewhere. Amongst the largest amounts of rainfall recorded were 25mm. at Ford (Argyll) on January 28th, 22mm. at Stonyhurst on the 31st, 33mm. at Rhayader (Radnor), 27mm. at Clifton (Gloucester) and 25mm. at Cardiff on February 1st, while Fort William had 40mm. and 49mm., Achnashellach (Ross-shire) 38mm. and 40mm. and Fort Augustus 21mm. and 20mm. on January 31st and February 1st, respectively. The largest amounts of sunshine were obtained towards the end of the week when a few places registered between 6 and 7 hours. The total amount for the week was below the normal at practically all stations. The departure of the mean duration of sunshine from the normal for the week ranged from +0·4 hour at Aberdeen to -2·8 hours at Jersey. Solar halos were observed at Clacton and Dublin on January 31st, at Ross-on-Wye on February 3rd, and at Oxford on January 29th, 31st and February 3rd, while lunar halos were seen at the latter station on the same dates. The Zodiacal Light was witnessed at Tenbury on February 3rd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahiriveen.			
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.					
South	...	...	17	11	4·7	12	8	3·7	17	4	2·0	17	6	2·5	23	11	4·7	16	8	3·5	27	12	5·2	26	12	5·5									
North	...	...	8	9	4·2	3	1	0·6	4	2	0·9	6	2	0·9	2	4	1·6	6	7	3·1	0	—	—	1	2	0·7									
West	...	...	20	20	9·1	27	21	9·5	26	11	4·7	28	9	4·2	28	15	6·7	26	19	8·7	27	21	9·2	27	10	4·6									
East	...	...	5	15	6·8	0	—	—	1	13	5·7	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—									
Calm (or wind- speed < 4 m.p.h.)			2	—	—	1	—	—	1	—	—	0	—	—	0	—	—	0	—	—	1	—	—	1	—	—									
No record			...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—								

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	11. Channel Islands (and Scilly).
		1. Scotland, N.	2. Scotland, E.	3. England, N.E.	4. England, E.	5. Midland Counties.	6. England, S.E.	7. Scotland, W. (and I. of Man).	8. England, N.W. (and S.W. (and S. Wales).	9. England, S.W. (and S. Wales).	10. Ireland, N.		
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.		
Comparison with the normal for the time of year ..	Warmth ..	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	—	—	Very Unusual
	Rainfall ..	Heavy	Heavy	Moderate	Moderate	Moderate	Light	Heavy	Heavy	Moderate	—	—	Moderate
	Sunshine ..	Moderate	Moderate	Moderate	Very Scanty	Scanty	Very Scanty	—	Very Scanty	Very Scanty	Scanty	—	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 9 weeks from Dec. 3rd, 1922.	Warmth ..	5, 4, 0	6, 3, 0	6, 3, 0	6, 3, 0	8, 1, 0	2, 7, 0	4, 5, 0	7, 2, 0	2, 7, 0	—	—	2, 7, 0
		4, 5, 0	5, 0, 4	2, 4, 3	3, 3, 3	3, 2, 4	3, 1, 5	5, 2, 2	4, 2, 3	3, 2, 4	—	—	3, 2, 4
		4, 5, 0	4, 5, 0	5, 3, 1	4, 3, 2	4, 2, 3	5, 2, 2	—	4, 1, 4	2, 4, 3	2, 3, 4	—	1, 4, 4

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

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DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.	Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Ground Frost.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	47	1st	30	29th	42.9	36.3	39.7	+1.8	6	1.54	39	+14	Lerwick	..	0.9	—	12	—	—	—	—	—
Orkneys	Deerness	160	p	49	31, 1	35	29th	45.0	39.0	42.1	+4.1	7	1.79	45	+23	Deerness	..	0.8	- 0.5	10	—	—	—	—	—
Hebrides	Stornoway	51	t	53	31st	38	2nd	48.4	42.6	45.6	+7.0	7	2.05	52	+20	Stornoway	..	0.8	- 0.5	10	—	—	—	—	—
	Castlebay	37	t	52	31st	44	2nd	49.6	46.4	48.1	—	7	1.05	27	—	Castlebay	..	0.7	—	8	—	—	—	—	—
Caitness	Wick	81	t	50	31, 1	36	29, 30	45.1	38.6	42.0	+4.8	6	1.38	35	+19										
Ross and Cromarty	Strathpeffer	125	a	54	31st	35	3rd	49.9	40.3	45.3	+8.5	7	1.39	35	+15										
Inverness	Achnashellach	225	a	51	31st	40	30th	48.1	42.6	45.5	—	7	4.74	120	—	Achnashellach	..	—	—	—	0	39	—	—	—
	Inverness	242	h	52	31, 1	37	3rd	48.9	41.4	45.3	—	7	0.95	24	—	Inverness	..	1.1	—	13	0	34	—	—	—
	Fort Augustus	68	a	53	31st	39	2nd	49.6	42.1	46.0	+9.0	7	2.51	64	+32										
	Fort William	171	p	52	31-2	39	3rd	50.1	42.7	46.6	+8.4	7	4.98	126	+69										
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	52	31, 1	38	3rd	48.6	41.4	45.1	+7.6	7	1.18	30	+18	Nairn	..	1.3	—	16	—	—	—	—	—
Elgin	Gordon Castle	101	p	56	1st	36	30th	50.0	39.4	44.9	+4.6	7	1.18	30	+17	Gordon Castle	..	1.8	—	22	—	—	—	—	—
Aberdeen	Aberdeen	46	t	55	1st	37	30th	48.7	41.7	45.3	+7.1	6	0.53	13	- 1	Aberdeen	..	2.4	+0.4	29	1	30	—	—	40.9
	Balmoral	930	a	52	31, 1	35	30th	48.3	39.0	43.9	+9.4	5	1.17	30	+12	Balmoral	..	—	—	0	33	—	—	—	+1.5
Perth	Crieff	478	p	53	1, 2	37	3rd	50.7	41.0	46.0	+8.4	6	1.33	34	+10	Perth	..	2.5	+0.3	30	1	28	40.5	—	40.7
Forfar	Dundee	147	a	54	1st	39	30, 31	50.9	41.3	46.3	—	4	1.03	26	—	Dundee	..	2.1	—	24	0	35	41.0	—	—
Fife	Inchkeith	190	t	52	1st	41	30, 3	49.0	44.7	46.9	—	5	0.54	14	—	Inchkeith	..	1.3	—	15	0	40	—	—	—
Midlothian	Edinburgh	441	p	55	1, 2	40	3rd	51.3	43.0	47.3	+9.1	5	0.60	15	+ 4	Edinburgh	..	1.8	- 0.3	21	0	38	—	—	—
Peebles	West Linton	770	a	54	1st	38	3rd	49.4	43.1	46.4	+11.5	7	1.33	34	—	West Linton	..	—	—	0	33	—	—	—	—
Berwick	Marchmont	498	a	55	1st	41	30, 2, 3	50.3	42.3	46.5	+9.5	6	0.52	13	- 1	Marchmont	..	1.2	- 0.6	14	—	—	—	—	—
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	52	30, 1, 3	44	30th	50.7	45.1	48.0	—	7	4.01	102	—	Ford	..	—	—	—	0	41	44.4	—	43.8
Renfrew	Renfrew	49	t	53	1st	43	30th	50.1	45.1	47.7	—	7	1.19	30	—	Renfrew	..	—	—	—	0	39	—	—	—
Bute	Rothsay	200	p	54	1st	40	3rd	49.9	43.0	46.6	+6.8	7	1.96	50	+24	Rothsay	..	0.4	—	5	0	38	44.7	—	44.1
Ayr	Kilmarnock	90	a	52	31, 1	41	2nd	50.0	43.7	47.0	+8.7	7	1.41	36	+13	Kilmarnock	..	0.4	—	4	—	—	44.8	—	+2.3
	Colmonell	170	a	54	1st	45	29, 2, 3	50.9	45.7	48.4	+9.5	7	1.48	38	+17	Colmonell	..	—	—	—	0	40	—	—	—
Dumfries	Dumfries	140	p	54	1st	41	3rd	51.6	44.3	48.1	+9.6	6	1.03	26	+ 7	Dumfries	..	0.5	—	5	0	37	44.1	+6.7	43.2
	Eskdalemuir	794	t	50	30, 1	40	3rd	47.9	43.3	45.7	—	7	2.16	55	—	Eskdalemuir	..	0.4	—	5	0	38	—	—	+3.1
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	53	1st	44	28, 29	50.3	45.6	48.0	+7.2	7	0.95	24	+ 3	Douglas	..	0.7	- 1.3	8	0	40	—	—	—
2. ENGLAND, N.E.																									
North-berland	Cockle Park	324	p	54	1, 2	40	3rd	51.1	43.6	47.5	+9.9	5	0.80	20	+ 7	Cockle Park	..	1.7	- 0.6	20	0	34	44.2	+8.0	42.3
	Tynemouth	118	t	57	1st	43	30th	51.9	46.9	49.5	+10.1	4	0.51	13	+ 3	Tynemouth	..	—	—	0	35	—	—	—	+3.0
Durham	Durham	336	p	57	30th	41	3rd	53.1	43.9	48.7	+10.7	3	0.14	4	- 6	Durham	..	2.0	0.0	24	0	38	—	—	—
York	Rounton	249	p	55	31-2	42	29th	52.7	45.0	49.0	+11.0	4	0.29	7	- 3	Rounton	..	—	—	—	0	31	42.1	—	—
N. Riding	West Witton	605	h	53	1st	42	29th	49.9	44.4	47.3	—	5	0.61	15	—	West Witton	..	—	—	—	0	37	42.0	—	41.3
	Scarborough	118	h	57	1st	42	29, 30	53.0	45.9	49.6	+9.9	2	0.25	6	- 2	Scarborough	..	1.8	- 0.1	21	—	—	—	—	42.4
	York	56	p	58	2nd	44	29th	53.6	47.0	50.4	+11.3	4	0.51	13	+ 6	York	..	1.4	- 0.1	16	—	—	43.2	+5.2	42.7
E. Riding	Spurn Head	26	t	53	1st	41	30th	49.9	44.6	47.4	+8.1	3	0.11	3	- 6	Spurn Head	..	0.1	—	1	—	—	—	—	—
Lincoln	Lincoln	58	t	58	1st	39	28th	53.1	45.1	49.3	+10.7	2	0.47	12	+ 2	Lincoln	..	—	—	—	0	35	42.8	+6.0	41.6
	Cranwell	237	t	56	1, 2	39	29th	52.1	45.7	49.0	+10.5	2	0.34	9	- 1	Cranwell	..	2.0	- 0.2	23	0	37	—	—	+0.7
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	..	1.9	- 0.5	21	—	—	—	—	—
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	57	1, 2	38	30th	53.1	44.0	48.7	+9.8	3	0.15	4	- 5	Cromer	..	1.2	- 1.3	14	—	—	—	—	—
	Yarmouth	13	a	58	2nd	41	30th	52.0	46.0	49.1	+10.5	2	0.14	4	- 7	Yarmouth	..	1.0	—	12	0	39	43.4	+5.1	43.6
	Norwich	93	a	57	2nd	41	31st	52.4	45.0	48.9	+10.3	4	0.23	6	- 6	Norwich	..	1.3	—	15	0	37	42.0	—	—
	Geldeston	37	a	60	2nd	40	31st	53.6	44.4	49.2	+10.1	3	0.15	4	- 6	Geldeston	..	1.5	- 0.9	17	—	—	—	—	—
Cambridge	Cambridge	41	p	58	2nd	39	28th	53.3	45.7	49.7	+10.8	4	0.22	5	- 5	Cambridge	..	1.4	- 1.0	16	1	30	43.3	+5.3	42.8
Hertford	Rothamsted	420	a	54	1, 2	40	28th	51.6	45.6	48.7	+10.3	3	0.13	3	- 11	Rothamsted	..	0.9	- 1.4	10	0	33	42.7	—	—
Middlesex	Tottenham	51	p	55	30, 1, 2	42	28th	53.1	47.0	50.2	—	3	0.11	3	—	Tottenham	..	0.8	—	9	—	—	—	—	—
Essex	Clacton-on-Sea	54	a	55	2nd	40	28th	51.7	44.9	48.4	+9.6	3	0.24	6	- 3	Clacton-on-Sea	..	0.7	- 1.9	8	0	39	43.4	+4.2	43.0
	Southend	90	h	53	3rd	38	28th	51.0	43.4	47.4	—	2	0.19	5	—	Southend	..	0.9	—	10	0	35	42.9	—	- 0.4
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	52	31, 1	41	29, 30	49.7	43.3	46.6	+8.7	6	0.56	14	- 1	Harrogate	..	2.3	+0.1	26	0	34	43.0	+5.3	42.2
W. Riding	Sheffield	429	p	56	1st	42	28th	52.6	46.6	49.7	+10.5	6	0.30	8	- 9	Sheffield	..	2.2	+0.3	25	0	40	42.3	+5.0	41.5
Derby	Buxton	987	p	51	1st	40	29th	48.0	43.1	45.7	+9.3	7	2.14	54	+27	Buxton	..	0.7	—	8	0	39	42.2	+5.5	41.1
Nottingham	Worksop(Hods'ckP)	86	a	61	1st	42	28-30	55.0	44.7	50.1	+11.1	3	0.13	3	- 7	Worksop	..	1.6	- 0.1	18	2	29	42.3	—	41.7
	Nottingham	52	t	57	1, 2	41	29th	53.3	47.4	50.5	+11.5	1	0.01	0.2	- 10	Nottingham	..	0.8	- 0.9	9	0	36	43.1	+6.6	41.3
Warwick	Birmingham(Edg.)	525	p	55	1st	41	28, 29	51.7	45.9	48.9	+9.8	3	0.20	5	- 7	Birmingham	..	1.2	- 0.3	13	0	36	44.4	+5.3	44.2
Northampton	Raunds	213	a	57	31-2	40	28th	54.0	45.7	50.0	+11.9	1	0.18	5	- 6	Raunds	..	1.7	—	19	0	36	43.1	—	+0.4
Oxford	Oxford	208	p	54	30, 1	39	28th	52.0	45.4	48.8	+9.0	3	0.11	3	- 8	Oxford	..	1.0	- 1.1	11	0	34	—	—	—
Stafford	Cheadle	646	a	52	1-3	40	28, 29	50.0	43.4	46.8	+8.9	6	0.38	10	- 5	Cheadle	..	—	—	—	0	33	—	—	—
Worcester	Tenbury	313	p	56	31st	43	28, 29	53.0	46.7	50.0	+10.2	2	0.04	1	- 9	Tenbury	..	—	—	—	0	39	44.0	—	—
	Malvern	377	h	—	—	—	—	—	—	—	—	—	—	—	—	Malvern	..	—	—	—	—	—	—	—	—
Hereford	Hereford	291	a	57	31st	42	28, 29	53.6	46.3	50.1	+10.7	3	0.25	6	- 8	Ross on Wye	..	1.7	—	18	0	40	44.7	—	43.4
Gloucester	Clifton	225	a	52	31-2	43	29th	50.3	45.9	48.2	+7.5	4	1.76	45	+28	Clifton	..	0.4	—	5	0	37	—	—	—
5. ENGLAND, S.E.																									
London	Westminster	27	a	55	30-3	39	28th	53.4	46.7	50.2	+9.5	3	0.15	4	- 6	Westminster	..	0.5	- 0.5	6	1	30	—	—	—
	Greenwich	149	a																						

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "d" in this table. The letters a and b retain their significance, a indicating that the extremes are for 24 hours beginning or ending at the morning observations, b for 24 hours ending in the evening. † Temperatures recorded on a Gaisher stand. ‡ Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.	Ft.			*F.		*F.		*F.		*F.			in.	mm.	mm.		Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth ...	16	h	50	1, 2	43	29th	48.6	45.3	47.0	—	6	0.94	24	—	—	Aberystwyth	0.4	- 1.9	4	—	—	—	—	—	
Pembroke	St. Ann's Hd.	149	t	50	31-2	46	28, 29	49.3	47.6	48.5	+5.7	5	0.46	12	—	—	St. Ann's Hd.	0.3	- 2.0	3	—	—	—	—	—	
Radnor	Rhayader...	757	a	52	31, 1	42	29th	50.0	45.3	47.7	—	7	2.56	65	—	—	Rhayader ..	1.0	—	11	0	38	—	—	—	
Glamorgan	Cardiff ...	202	p	51	31-3	43	28th	50.0	46.3	48.2	+8.4	6	1.76	45	+25	—	Cardiff ..	0.1	—	1	0	41	44.8	+5.5	44.0	+0.9
8b. ENGLAND, S.W.																										
Somerset	Bath ...	66	h	54	1st	43	29th	51.7	48.0	49.9	+9.7	5	0.86	22	+ 8	—	Bath ..	0.4	- 1.8	4	—	—	44.1	—	43.8	—
Dorset	Shaftesbury ...	722	a	51	31, 1	39	29th	48.7	42.9	45.9	+7.4	5	0.31	8	- 7	—	Shaftesbury ..	—	—	—	—	—	43.3	—	43.5	—
	Portland Bill ...	19	t	51	2nd	42	29, 31	49.6	44.0	46.9	+4.5	4	0.13	3	- 10	—	Weymouth ..	0.5	—	6	—	—	—	—	—	—
Devon	Arlington ...	613	a	50	31-2	42	28th	48.9	45.5	47.3	+7.6	6	2.20	56	+29	—	Cullompton ...	0.2	- 1.8	2	0	39	45.7	—	—	—
	Cullompton ...	202	a	55	31st	43	28th	52.7	47.4	50.2	+9.7	6	0.43	11	- 8	—	Plymouth ..	0.6	- 1.7	6	0	41	46.0	+4.5	46.3	—
	Plymouth...	116	p	53	3rd	45	28, 29	51.3	47.9	49.7	+7.2	6	0.25	9	- 10	—										
Cornwall	Newquay ...	190	h	—	—	—	—	—	—	—	—	—	—	—	—	—	Newquay ..	—	—	—	—	—	—	—	—	—
	Falmouth...	167	h	53	3rd	45	29th	51.3	47.6	49.5	+5.8	5	0.74	19	- 6	—	Falmouth ..	0.5	- 2.0	5	0	41	47.5	—	46.5	—
9. IRELAND, N.																										
Donegal	Malin Head ...	71	t	54	1st	45	2, 3	50.0	46.0	48.1	+7.3	7	1.02	26	+10	—	Malin Head ..	1.0	—	12	—	—	—	—	—	—
Mayo	Blackod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallarany ...	120	a	55	1st	44	28, 29	51.9	46.3	49.2	—	6	2.38	60	—	—	Mallarany ..	0.5	—	5	0	39	—	—	—	—
Sligo	Markree Castle ...	122	p	57	2nd	43	28th	53.9	44.4	49.3	+9.4	6	0.81	21	- 2	—	Markree Castle	1.0	- 0.6	11	0	39	46.3	+5.7	45.4	+1.6
Armagh	Armagh ...	204	p	55	1, 2	43	3rd	52.3	45.9	49.2	+9.5	6	0.94	24	+ 9	—	Armagh ..	0.9	- 0.8	10	0	40	45.4	+5.5	44.9	+2.0
Down	Donaghadee ...	35	t	57	1st	42	28th	53.0	46.0	49.6	+8.9	6	0.30	8	- 7	—										
10. IRELAND, S.																										
Dublin	Dublin City ...	54	p	57	31-2	44	28th	54.1	48.1	51.2	+9.0	5	0.22	6	- 6	—	Trinity Coll.	—	—	—	0	39	46.3	+5.3	45.1	+1.4
King's County	Birr Castle ...	175	t	55	1st	44	28th	52.1	47.1	49.7	+9.3	6	0.65	17	+ 3	—	Phoenix Park	1.3	- 0.8	15	0	41	—	—	—	—
Kilkenny	Kilkenny ...	195	a	57	31st	43	3rd	53.3	46.9	50.2	+9.5	5	0.22	6	- 10	—	Dublin City ..	—	—	—	0	40	—	—	—	—
Waterford	Waterford ...	137	a	54	29, 30, 2	43	28, 29	53.0	46.4	49.8	+8.0	4	0.23	6	- 13	—	Birr Castle ..	0.6	- 1.3	6	0	40	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	57	2nd	40	28th	52.4	46.0	49.3	—	5	0.43	11	—	—	Seskin ..	0.8	—	9	0	36	—	—	—	—
Limerick	Foynes ...	50	a	55	31st	43	28th	52.9	46.9	50.0	+7.7	7	1.34	34	+15	—										
Kerry	Cahirciveen (Val.O.)	30	t	54	1, 2	42	28th	52.3	48.9	50.7	+6.2	7	0.68	17	- 13	—	Cahirciveen	0.1	- 1.7	2	0	38	—	—	—	—
	Killarney ...	174	a	57	1st	41	28th	54.4	47.8	51.2	+8.3	7	0.64	16	- 15	—	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's ...	131	t	52	1st	45	29th	50.7	47.9	49.4	+3.7	4	0.09	2	- 15	—	Scilly ..	0.3	- 2.2	3	—	—	—	—	—	—
Guernsey	Grange ...	173	p	52	31, 2, 3	45	28, 29	51.1	47.4	49.3	+5.6	7	0.55	14	- 2	—	Grange ..	0.0	- 2.5	0	0	42	46.6	+4.0	46.2	+0.3
Jersey	St. Aubins ...	25	t	52	2nd	45	28, 29	50.9	47.0	49.0	+5.9	7	0.44	11	- 5	—	St. Heliers ..	0.0	- 2.8	0	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 3rd, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.								
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Orkneys **Deerness (Cup Anr.)	188	16	5	27, 1	9	27 to 2	67	50	32	10	0	250	47	21	1	4	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	†	—	0	1	3	55	87	23	0	250	25	11	1	2	45	20	1	3	10		
Edinburgh Edinburgh ...	485	39	31	—	0	28 to 3	56	88	20	4	0	260	37	17	1	22	59	26	1	21	35		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	31, 1, 2	5	72	84	7	0	260	28	13	1	23	66	29	1	0	35		
Dumfries Eskdalemuir ...	825	50	22	2	1	31 to 3	26	97	43	1	0	260	39	17	2	1	61	27	2	1	5		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	1	4	28, 29, 31 to 3	39	82	36	7	0	270	43	19	1	5	66	29	1	5	10		
York, E.R. Spurn Head ...	67	41	†	—	0	28, 30 to 2	23	123	21	1	0	270	36	16	2	5	48	22	2	4	20		
Lincoln Cranwell ...	280	43	31	—	0	1	1	85	(80)	(2)	0	230	25	11	1	21	35	16	1	16	15		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	†	—	0	—	0	57	107	4	0	250	20	9	2	3	40	18	2	1	30		
Essex Shoeburyness...	103	90	†	—	0	1, 2	3	135	28	2	0	250	25	11	1	4	44	20	1	4	25		
5. ENGLAND, S.E.																							
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	53	113	2	0	250	19	9	1	3	—	—	—	—	—		
Kent Lympne ...	409	70	†	—	0	1, 2	22	79	67	0	0	230	34	15	2	1	47	21	1	22	55		
Surrey Croydon ...	284	40	24	—	0	—	0	72	96	0	0	250	24	11	1	5	45	20	1	4	45		
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	1	2	92	74	0	0	230	27	12	1	22	42	19	1	21	45		
Sussex Brighton ...	261	53	6	—	0	—	0	68	72	5	23	—	23	10	1	10	38	17	1	10	0		
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	1, 2	23	105	40	0	0	240	29	13	1	19	48	21	1	22	35		
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	29, 1, 2	25	135	(8)	(0)	0	300	31	14	29	8	39	17	1	21	5		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	29, 1 to 3	21	123	24	0	0	200	29	13	1	21	—	—	—	—	—		
Lancashire Southport ...	80	62	48	—	0	28 to 3	74	86	8	0	0	240	37	17	1	12	51	23	1	23	15		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	†	—	0	28, 29, 31, 1, 3	18	147	3	0	0	200	31	14	1	19	47	21	1	20	0		
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	—	0	—	0	71	89	8	0	—	23	10	1	3	38	17	1	8	40		
Cornwall Pendennis Castle...	256	65	24	2	2	30 to 2	57	60	47	2	0	240	39	17	2	11	49	22	2	11	0		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	31, 1, 2	9	29 to 3	77	62	19	1	0	240	47	21	31	24	—	—	—	—	—		
Clare Quilty ...	100	40	†	—	0	31 to 3	42	107	19	0	0	—	34	15	1	7	50	22	1	18	10		
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	31, 1, 3	29	117	17	5	0	230	34	15	1	19	56	25	1	18	25		
Cork Weaver Pt. ...	160	30	†	—	0	31, 1	24	85	57	2	0	—	35	16	1	18	54	24	1	18	30		
11a. SCILLY ISLES.																							
Scilly St. Mary's (Cup Anr.)...	150	19	—	—	0	29 to 2	62	77	22	0	7	290	32	14	30	4	—	—	—	—	—		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FIFTH WEEK of 1923—January 28th to February 3rd, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal								Below 42°	
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		54	30	47.7	40.7	44.4	+ 6.8	20	+14	4	-33	7	+ 1	2.66	67	+32	0.9	- 0.4	11	1004
Eastern.																				
1. SCOTLAND, EAST ..		56	35	49.4	41.6	45.6	+ 8.3	26	+20	1	-39	6	+ 2	0.97	25	+10	1.9	- 0.0	22	1007
2. ENGLAND, N.E. ..		58	39	52.3	45.3	48.9	+10.0	48	+40	0	-30	3	- 1	0.38	10	- 1	1.8	- 0.2	21	1014
3. ENGLAND, EAST ..		60	38	52.6	45.3	49.1	+10.3	50	+41	0	-31	3	- 1	0.17	4	- 7	1.1	- 1.3	12	1018
4. MIDLAND COUNTIES		61	39	52.3	45.5	49.0	+10.0	49	+39	0	-31	3	- 1	0.36	9	- 4	1.4	- 0.6	16	1018
5. ENGLAND, S.E. ..		56	37	51.4	45.2	48.4	+ 8.2	45	+33	0	-24	3	- 1	0.18	5	- 8	0.6	- 1.7	6	1020
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		54	40	50.5	44.6	47.7	+ 8.4	40	+32	0	-28	7	+ 2	1.72	44	+18	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		57	41	50.8	45.8	48.4	+ 8.5	45	+36	0	-24	6	+ 1	0.97	25	+ 7	0.4	- 1.3	5	1017
8. ENGLAND, S.W. (and South Wales)		55	39	50.3	46.3	48.4	+ 7.1	45	+31	0	-19	5	0	0.98	25	+ 4	0.5	- 1.7	5	1021
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	- 0.7	11	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		52	45	50.9	47.4	49.2	+ 4.9	50	+27	0	- 6	6	+ 1	0.36	9	- 8	0.1	- 2.6	1	1025
MEAN: DISTRICTS 1-10																				
THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, December 3rd, 1922, to February 3rd, 1923.																				
0. SCOTLAND, NORTH ..		57	21	45.3	37.6	41.6	+3.1	99	—	123	—	56	+ 8	15.80	401	+94	0.8	0.0	12	1004
Eastern.																				
1. SCOTLAND, EAST ..		57	15	45.3	36.5	41.1	+3.6	100	—	158	—	41	+ 4	5.34	137	- 7	1.5	+ 0.2	21	1006
2. ENGLAND, N.E. ..		58	26	46.3	37.6	42.1	+3.3	133	—	125	—	31	- 3	4.15	107	+ 4	1.8	+ 0.5	23	1012
3. ENGLAND, EAST ..		60	23	46.5	37.3	42.0	+3.4	140	—	135	—	35	- 2	3.39	87	-17	1.8	+ 0.2	22	1015
4. MIDLAND COUNTIES		61	22	46.9	37.4	41.2	+2.7	149	—	126	—	34	- 3	5.46	139	+16	1.5	+ 0.2	19	1015
5. ENGLAND, S.E. ..		56	22	47.1	37.6	42.5	+2.2	153	—	121	—	31	- 4	5.10	130	- 5	1.7	+ 0.1	21	1017
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	20	46.9	38.8	43.0	+3.1	156	—	95	—	50	+ 7	10.43	264	+ 6	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		58	24	47.1	39.8	43.6	+3.5	167	—	65	—	44	+ 5	7.39	187	+16	1.0	- 0.2	13	1013
8. ENGLAND, S.W. (and South Wales)		55	24	47.9	39.5	43.9	+2.1	192	—	76	—	42	+ 1	8.83	223	+ 5	1.4	- 0.2	17	1017
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1	- 0.2	14	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	32	49.9	43.3	46.7	+1.6	302	—	3	—	45	- 1	7.56	192	+ 8	1.6	- 0.4	19	1019
MEAN: DISTRICTS 1-10..																				
THE YEAR. Aggregates, &c., for the Period of 5 Weeks, 31st December, 1922, to February 3rd, 1923																				
0. SCOTLAND, NORTH ..		54	26	45.9	38.2	42.2	+4.1	65	+35	57	-109	33	+ 7	9.93	252	+85	0.8	- 0.1	12	1007
Eastern.																				
1. SCOTLAND, EAST ..		56	20	46.2	37.3	41.9	+4.7	69	+40	73	-120	24	+ 4	2.99	77	+ 4	1.9	+ 0.5	25	1010
2. ENGLAND, N.E. ..		58	27	47.0	38.1	42.7	+4.4	91	+59	66	- 97	15	- 3	1.38	36	-15	2.2	+ 0.7	28	1016
3. ENGLAND, EAST ..		60	23	46.8	37.0	42.1	+4.1	89	+53	85	- 92	19	- 1	1.47	38	-14	2.0	+ 0.2	24	1019
4. MIDLAND COUNTIES		61	22	47.4	37.3	42.6	+4.6	95	+54	76	-105	17	- 3	1.84	47	-14	1.7	+ 0.2	21	1020
5. ENGLAND, S.E. ..		56	22	47.1	36.9	42.2	+ 2.7	89	+39	83	- 55	17	- 2	1.84	47	-16	1.9	+ 0.1	22	1021
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		54	20	47.4	39.1	43.4	+4.0	99	+56	49	- 81	28	+ 4	5.90	149	+20	—	—	—	1014
7. ENGLAND, N.W. (and North Wales)		57	24	47.4	40.2	44.9	+4.5	104	+61	35	- 95	24	+ 3	3.01	77	- 9	1.2	- 0.2	15	1019
8. ENGLAND, S.W. (and South Wales)		55	24	47.8	39.2	43.7	+2.7	108	+40	51	- 52	23	+ 1	3.19	81	-21	1.5	- 0.2	18	1022
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.2	- 0.2	15	1015
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	32	49.7	42.9	46.4	+2.1	158	+39	3	- 36	25	0	2.21	56	-29	1.8	- 0.3	21	1025
MEAN: DISTRICTS 1-10..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
9th February, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-SIXTH YEAR. } No. 6.
Vol. XL. (New Series) }

SIXTH WEEK.

SUNDAY, FEBRUARY 4TH, TO SATURDAY, FEBRUARY 10TH, 1923.

Price 9d. Net, Post free 9½d.
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(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week the weather in most parts of the British Isles was fine and sunny, a large number of stations recording seven or eight hours sunshine. After Monday, however, the weather was generally unsettled and rainy, with south-westerly or south-easterly gales in several places. Rainfall measurements of considerably more than 25mm. were recorded in many parts of the country; amongst the largest amounts being 44mm. at Fort William and 40mm. at Killarney on the 5th, 62mm. at Rhayader (Radnor), 35mm. at Falmouth and 30mm. at Arlington (Devon) on the 6th, 43mm. at Petersfield, 36mm. at Crathes (Kincardine), 34mm. at Southampton, 33mm. at Croydon and Tunbridge Wells on the 7th, 34mm. at Lerwick on the 8th and 48mm. at Crathes on the 10th. Hail and sleet occurred in several places and at a few stations thunderstorms were reported. The total amount of rainfall for the week was well above the normal in all districts the largest excess, over 200 per cent, occurring in England south-west. In most parts of the country the maximum temperatures, during the week, rose above

50°F., the actual extremes being 57°F. at Killarney and 56°F. at Hawarden Bridge (Cheshire) on the 10th. Screen minima below 32°F. were registered in several places and at Rothamsted on the morning of the 5th a reading as low as 23°F. was recorded. Ground frosts occurred at practically all stations and in some places the readings of the grass minimum thermometer were below 20°F. Mean temperature for the week was again above the normal in all districts. The mean amount of sunshine for the week varied a good deal, but at most stations it was above the normal. The departure of the mean duration of sunshine from the normal for the week ranged from +1.7 hours at Markree Castle (Sligo) to -0.9 hour at Marchmont (Berwick) and Nottingham. Solar halos were observed at Dublin on the 6th, at Ross-on-Wye on the 8th and at Oxford on the 6th, 8th, and with parhelia and "contact arch" on the 9th. A lunar halo was seen at Gorleston on the 4th. The Zodiacal Light was witnessed at Raunds on the 8th, at Oxford on the 6th and 8th, and at Wadhurst (near Tunbridge Wells) on the 4th, 5th and 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	19	23	10.5	23	19	8.3	22	18	8.1	21	11	4.7	22	19	8.4	21	16	7.3	25	16	7.2	—	—	—
North	5	4	1.8	2	5	2.3	2	6	2.9	2	7	3.2	3	7	3.3	4	13	5.6	2	3	1.3	—	—	—
West	11	9	3.8	17	9	4.1	9	5	2.1	8	5	2.1	14	7	3.2	18	9	4.2	12	7	3.1	—	—	—
East	12	9	4.0	8	6	2.7	9	7	3.2	6	4	1.6	8	11	4.8	5	7	3.3	7	7	3.0	—	—	—
Calm (or wind- speed < 4 m.p.h.)	1	—	—	1	—	—	4	—	—	5	—	—	1	—	—	3	—	—	1	—	—	—	—	—
No record ...	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	—	—	Unusual
	Rainfall ..	Moderate	Very Heavy	Heavy	Heavy	Very Heavy	Very Heavy	Heavy	Very Heavy	Very Heavy	—	—	Very Heavy
	Sunshine ..	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	—	Abundant	Abundant	Very Abundant	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 10 weeks from Dec. 3rd, 1922.	Warmth	..	6, 4, 0	7, 3, 0	7, 3, 0	7, 3, 0	9, 1, 0	3, 7, 0	5, 5, 0	8, 2, 0	3, 7, 0	—	—	3, 7, 0
	Rainfall	..	4, 6, 0	6, 0, 4	3, 4, 3	4, 3, 3	4, 2, 4	4, 1, 5	6, 2, 2	5, 2, 3	4, 2, 4	—	—	4, 2, 4
	Sunshine	..	5, 5, 0	4, 6, 0	5, 4, 1	4, 4, 2	4, 3, 3	6, 2, 2	—	5, 1, 4	3, 4, 3	3, 3, 4	—	1, 5, 4

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
				Highest	Date	Lowest	Date	Mean for the Week				No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.	Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean	Deviation from Normal									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	47	6th	36	4th	45.4	39.1	42.3	+4.5	7	2.47	63	+43	Lerwick	0.9	—	11	—	—	—	—	—	
Orkneys	Deerness	160	p	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	50	5th	33	9th	45.9	39.0	42.5	+3.9	7	1.15	29	+1	Stornoway	1.5	0.0	18	—	—	—	—	—	
	Castlebay	37	t	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	
Caithness	Wick	81	t	47	5, 6	34	4th	45.3	39.6	42.5	+5.3	4	0.76	19	+5										
Ross and Cromarty	Strathpeffer	125	a	49	5th	29	9th	45.1	33.0	39.1	+2.2	4	0.58	15	+12										
	Achnashellach	225	a	49	9th	32	9th	46.0	38.0	42.0	—	5	0.87	22	—	Achnashellach	—	—	—	—	—	—	—	—	
Inverness	Inverness	242	a	49	10th	34	9th	44.4	36.6	40.5	—	4	0.44	11	—	Inverness	2.5	—	29	1	27	—	—	—	
	Fort Augustus	68	a	50	5th	32	4, 8	46.0	35.7	40.9	+3.8	3	1.81	46	+20										
	Fort William	171	p	49	5, 6, 9	33	8th	47.0	38.4	42.7	+4.5	7	3.00	76	+20										
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	48	5th	33	7, 9	44.3	37.3	40.8	+3.5	5	0.40	10	+2	Nairn	2.5	—	28	—	—	—	—	—	
Elgin	Gordon Castle	101	p	52	5th	34	4, 9	46.9	37.4	42.1	+3.8	4	1.24	31	+9	Elgin	2.2	—	25	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	49	5th	35	9th	45.4	39.0	42.2	—	5	2.50	63	+50	Aberdeen	2.1	-0.4	23	—	—	—	—	—	
	Balmoral	930	a	44	5, 9	29	4, 9	41.7	32.6	37.1	+2.9	6	3.52	89	+72	Balmoral	—	—	—	—	—	—	—	—	
Perth	Criff	478	p	46	4-6	33	4, 7	44.3	35.9	40.1	+2.5	6	1.35	34	+11	(Kinc.) Crathes	2.0	-0.7	22	39.2	—	—	—	—	
Forfar	Dundee	147	a	47	5th	32	9th	45.1	35.6	40.3	—	6	1.23	31	—	Dundee	2.1	—	24	41.3	—	—	—	—	
Fife	Inchkeith	190	t	48	9th	37	9th	45.4	40.3	42.9	—	3	0.54	14	—	Inchkeith	2.3	—	25	1	28	—	—	—	
Midlothian	Edinburgh	441	p	46	5, 9	34	7th	44.7	35.9	40.3	+2.3	5	0.76	19	+9	Edinburgh	2.3	-0.3	26	3	27	—	—	—	
Peebles	West Linton	770	a	45	4, 5	30	4, 5, 9	42.7	33.3	38.0	+3.0	7	1.30	33	—	West Linton	—	—	—	—	—	—	—	—	
Berwick	Marchmont	498	a	49	8th	32	5, 9	44.6	34.4	39.5	+2.6	5	0.75	19	+6	Marchmont	1.3	-0.9	15	—	—	—	—	—	
2. ENGLAND, N.E.																									
Argyle	Ford	149	a	47	5th	32	4th	45.1	35.3	40.2	—	7	2.10	55	—	Ford	—	—	—	—	—	—	—	—	
Renfrew	Renfrew	49	t	50	10th	34	7, 9	46.6	37.0	41.8	—	5	1.19	30	—	Renfrew	1.8	—	20	3	27	—	—	—	
Bute	Rothsay	200	p	47	6th	33	8th	45.9	37.1	41.5	+1.8	7	1.89	48	+21	Rothsay	1.7	—	19	2	29	—	—	—	
Ayr	Kilmarnock	90	a	49	4, 9	30	4th	46.4	34.7	40.5	+2.2	6	1.20	31	+12	Kilmarnock	1.7	—	19	2	29	—	—	—	
	Colmonell	170	a	50	4th	35	5, 7, 9	47.7	36.6	42.1	+3.4	6	3.54	90	+64	Colmonell	—	—	—	—	—	—	—	—	
Dumfries	Dumfries	140	p	48	9th	34	8, 9	46.4	37.0	41.7	+3.2	6	1.94	49	+29	Dumfries	2.2	—	24	3	25	—	—	—	
	Eskdalemuir	794	t	45	4th	30	5th	42.7	34.1	38.4	—	6	2.56	65	—	Eskdalemuir	1.5	—	17	5	25	—	—	—	
3. ENGLAND, E.																									
I. of Man	Douglas	284	a	48	4, 5, 7, 9	37	9th	47.1	39.9	43.5	+2.9	6	1.22	31	+9	Douglas	2.6	+0.2	28	2	29	—	—	—	
4. ENGLAND, S.E.																									
North-berland	Cockle Park	324	p	49	8th	30	9th	45.7	34.0	39.9	+2.8	5	0.80	20	+9	Cockle Park	2.3	-0.4	25	6	17	39.5	+3.2	42.7	+3.5
Durham	Tynemouth	118	a	49	8th	33	5th	45.4	38.1	41.7	+2.8	5	0.64	16	+8	Tynemouth	—	—	—	—	—	—	—	—	
York	Durham	336	p	49	8th	29	5, 9	45.7	33.0	39.3	+1.7	5	1.12	29	+21	Durham	2.0	-0.3	22	4	20	—	—	—	
N. Riding	Rounton	249	p	50	8th	30	5th	45.3	34.0	39.7	+2.1	5	1.27	32	+24	Rounton	—	—	—	—	—	—	—	—	
	West Witton	605	a	49	7, 8	29	9th	45.4	33.9	39.7	—	5	2.37	60	—	West Witton	—	—	—	—	—	—	—	—	
	Scarborough	118	a	48	4th	35	5, 7	45.3	38.6	41.9	+2.6	6	0.77	20	+10	Scarborough	1.9	-0.3	21	—	—	—	—	—	
	York	56	p	49	7, 8	31	9th	46.3	36.0	41.1	+2.3	5	0.97	25	+16	York	1.2	-0.7	13	—	—	—	—	—	
E. Riding	Spurn Head	26	t	53	4th	35	5th	46.3	38.9	42.6	+3.7	3	0.34	9	+2	Spurn Head	1.6	—	17	—	—	—	—	—	
Lincoln	Lincoln	58	a	50	7, 8	31	9th	47.3	36.6	41.9	+3.5	5	0.63	16	+7	Lincoln	—	—	—	—	—	—	—	—	
	Cranwell	237	t	50	9th	30	5, 9	46.9	35.4	41.1	+2.9	5	0.76	19	+10	Cranwell	2.9	+0.3	31	2	23	—	—	—	
5. ENGLAND, S.W.																									
Norfolk	Cromer	196	a	50	9th	29	5th	46.1	36.1	41.1	+2.5	5	0.35	9	+2	Cromer	2.2	-0.4	24	—	—	—	—	—	
	Yarmouth	13	t	49	4th	32	5th	45.3	38.3	41.8	+3.5	3	0.77	19	+10	Yarmouth	2.8	—	30	1	29	42.6	+4.0	45.0	+2.4
	Norwich	93	a	50	8th	29	5th	46.7	36.1	41.4	+2.9	3	0.71	18	+8	Norwich	2.2	—	24	4	23	40.2	—	—	
	Geldeston	37	a	54	6th	27	5th	47.8	34.3	41.1	+2.2	5	0.55	14	+6	Geldeston	2.7	+0.3	29	—	—	—	—	—	
Cambridge	Cambridge	41	p	51	8th	27	5th	46.1	35.0	40.5	+1.7	3	0.34	9	+1	Cambridge	2.5	0.0	26	4	19	42.2	+3.9	44.2	+2.2
Hertford	Rothamsted	420	a	50	7th	23	5th	46.6	34.4	40.5	+2.3	5	1.38	35	+24	Rothamsted	2.2	-0.1	23	4	19	41.3	—	—	
Middlesex	Tottenham	51	p	52	8th	28	5th	48.1	38.4	43.3	—	5	0.84	21	—	Tottenham	1.3	—	14	—	—	—	—	—	
Essex	Clacton-on-Sea	54	a	48	4th	33	5th	45.6	40.6	43.1	+4.6	3	0.61	16	+9	Clacton-on-Sea	2.2	-0.5	23	2	25	42.0	+3.4	44.6	+1.5
	Southend	90	a	50	4, 8	32	5th	47.7	39.1	43.4	—	4	0.59	15	—	Southend	2.5	—	27	1	30	43.3	—	—	
6. ENGLAND, N.W.																									
York	Harrogate	479	a	48	8th	30	9th	44.6	35.0	39.8	+2.2	5	1.18	30	+16	Harrogate	2.0	-0.3	22	3	24	40.8	+3.0	42.8	+3.1
W. Riding	Sheffield	429	p	50	7, 8	33	5th	46.6	36.1	41.3	—	5	1.36	35	+20	Sheffield	2.4	+0.5	27	3	25	40.0	+2.6	42.3	+1.5
Derby	Buxton	987	p	47	7th	29	5th	43.7	33.7	38.7	+2.7	5	1.69	43	+10	Buxton	1.9	—	21	3	26	39.7	+2.8	42.0	+1.3
Nottingham	Worksop (HodsckP)	56	a	52	7th	29	5, 9	48.1	34.7	41.4	+2.6	5	0.88	22	+12	Worksop	1.6	-0.2	17	5	20	40.6	—	—	
	Nottingham	82	t	52	7th	28	9th	47.3	37.1	42.2	+3.5	5	0.64	16	+7	Nottingham	0.9	-0.9	9	3	24	41.0	+4.2	42.7	+3.5
Warwick	Birmingham (Edg.)	525	p	51	7th	32	5th	46.6	37.0	41.8	+3.1	5	1.91	48	+37	Birmingham	2.4	+0.8	26	1	20	42.3	+3.1	45.0	+1.5
Northampton	Raunds	213	a	51	7, 9	29	5th	48.6	35.1	41.9	+3.9	5	0.67	17	+7	Raunds	3.0	—	32	2	23	42.1	—	—	
Oxford	Oxford	208	p	51	7, 8	29	5th	48.0	36.3	42.1	+2.6	5	0.93	24	+14	Oxford	2.6	+0.4	28	3	21	—	—	—	
Stafford	Cheadle	646	a	49	7, 8	32	5, 9	45.4																	

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall				Bright Sunshine Hours per Day			Ground Temperature							
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.						Ground Frost.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.									*F.		*F.		*F.		*F.
Cardigan	Aberystwyth ...	16	h	53	10th	38	5, 9	48.7	41.3	45.0	—	6	1.54	39	—	Aberystwyth	3.0	+0.9	32	—	—	—	—	—	—
Pembroke	St. Ann's Hd. ...	149	t	50	4, 7, 10	42	8th	48.9	43.9	46.4	+4.0	6	3.72	95	+77	St. Ann's Hd.	3.0	+0.7	32	—	—	—	—	—	—
Radnor	Rhayader ...	757	a	50	10th	26	5th	46.0	35.9	40.9	—	6	4.04	103	—	Rhayader ..	2.7	—	29	2	15	—	—	—	—
Glamorgan	Cardiff ...	202	p	54	7th	33	5th	49.7	39.0	44.3	+4.5	4	1.59	40	+21	Cardiff ..	3.2	—	35	2	27	43.5	+4.0	45.1	+2.3
8b. ENGLAND, S.W.																									
Somerset	Bath ...	66	h	53	7th	28	5th	49.0	39.3	44.1	+4.0	5	2.32	59	+45	Bath ..	3.1	+1.0	33	—	—	43.7	—	45.0	—
Dorset	Shaftesbury ...	722	a	50	7, 9	35	5, 6	47.6	37.7	42.7	+4.3	5	2.61	66	+51	Shaftesbury ..	—	—	—	—	—	43.1	—	44.2	—
Devon	Portland Bill ...	19	t	52	9, 10	40	5th	50.0	42.6	46.3	+4.2	5	1.57	40	+27	Weymouth ..	3.2	—	33	—	—	—	—	—	—
	Arlington ...	613	a	52	7th	33	5th	47.9	38.3	43.1	+3.6	5	0.33	85	+59	Cullompton ..	2.8	+0.8	30	4	21	45.3	—	—	—
	Cullompton ...	202	a	53	7th	28	5th	51.3	35.1	43.2	+2.8	5	3.59	91	+73	Plymouth ..	2.8	+0.5	29	1	30	45.8	+4.1	47.1	—
Cornwall	Plymouth ...	116	p	53	10th	37	9th	51.0	41.9	46.5	+4.1	6	2.63	67	+48										
	Newquay ...	190	h	54	7th	35	5th	49.9	42.3	46.1	+2.9	6	3.15	80	+63	Newquay ..	2.9	+0.6	31	—	—	46.8	—	47.8	—
	Falmouth ...	167	h	54	10th	38	5th	50.9	42.3	46.6	+3.2	6	3.99	101	+77	Falmouth ..	3.0	+0.5	31	1	30	45.4	—	47.5	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	49	5th	36	7, 8	45.9	40.0	42.9	+2.3	6	0.69	18	+2	Malin Head ..	3.4	—	38	—	—	—	—	—	—
Mayo	Blackod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallary ...	120	a	—	—	—	—	—	—	—	—	—	—	—	—	Mallary ..	—	—	—	—	—	—	—	—	—
Sligo	Markree Castle ...	122	p	53	10th	29	4th	49.0	35.9	42.5	+2.6	6	1.04	26	+3	Markree Castle	3.7	+1.7	40	4	26	43.8	+3.1	46.1	+2.5
Armagh	Armagh ...	204	p	51	10th	34	4, 8	48.1	36.7	42.4	+2.7	6	1.79	45	+30	Armagh ..	3.6	+1.6	40	1	29	43.6	+3.6	45.6	+2.8
Down	Donaghadee ...	35	t	50	7th	36	7-9	47.9	39.1	43.5	+2.9	5	1.61	41	+26										
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	51	5, 10	36	9th	48.9	38.7	43.8	+1.6	6	2.38	60	+47	Trinity Coll.	3.3	—	36	2	27	44.3	+3.2	46.0	+2.4
King's County	Birr Castle ...	175	t	53	10th	34	7-9	49.0	38.4	43.7	+3.2	5	1.27	32	+16	Phoenix Park	—	+1.0	36	2	24	—	—	—	—
Kilkenny	Kilkenny ...	195	a	53	10th	30	9th	49.7	35.3	42.5	+1.7	6	1.44	37	+20	Dublin City ..	—	—	—	1	30	—	—	—	—
Waterford	Waterford ...	137	a	53	10th	35	8, 9	50.3	39.7	44.5	+2.6	6	1.99	51	+29	Birr Castle ..	2.8	- 0.7	30	3	28	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	50	10th	33	8th	47.3	37.3	42.3	—	5	2.47	63	—	Seskin ..	1.4	—	15	2	28	—	—	—	—
Limerick	Foynes ...	50	a	52	4, 10	30	7th	49.7	36.6	43.1	+0.8	6	1.48	37	+16										
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—
Cork	Killarney ...	174	a	57	10th	34	7, 8	51.7	39.3	45.5	+2.7	6	3.45	88	+53	(Valencia O.)	—	—	—	—	—	—	—	—	—
	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's ...	131	t	53	4, 7	43	8th	51.1	45.3	48.1	+3.0	6	3.00	76	+60	Scilly ..	2.5	+0.1	26	—	—	—	—	—	—
Guernsey	Grange ...	173	p	52	7-9	35	5th	50.7	41.9	46.3	+3.0	5	2.28	58	+43	Grange ..	3.4	+0.9	35	1	26	45.3	+2.7	47.0	+1.5
Jersey	St. Aubins ...	25	t	52	7, 9	32	5th	49.4	42.4	45.9	+3.2	5	1.06	27	+12	St. Heliers ..	3.4	+0.7	25	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 10th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.				
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.									
Orkneys **Deerness (Cup Anr.)	188	16	5	5, 6	6	4 to 9	65	48	30	6	13	160	43	19	6 8	—	—	—	—	
1. SCOTLAND, E.																				
Aberdeen Aberdeen ...	72	42	‡	10	3	6 to 10	39	69	55	2	0	140	39	17	10 11	66	30	7 12	40	
Edinburgh Edinburgh ...	485	39	31	5, 6	16	4 to 7	36	63	53	0	0	200	48	21	5 23	71	32	5 22	50	
6a. SCOTLAND, W.																				
Renfrew Paisley ...	188	81	15	—	0	5, 6, 7	29	50	72	17	0	180	36	16	6 8	67	30	6 5	40	
Dumfries Eskdalemuir ...	825	50	22	5	1	5, 6, 7	25	59	66	17	0	200	39	17	5 13	56	25	5 12	30	
2. ENGLAND, N.E.																				
Durham South Shields...	72	61	12	7	3	6, 7, 8, 10	38	62	51	14	0	170	42	19	7 11	73	33	7 11	10	
York, E.R. Spurn Head ...	67	41	‡	6, 7	5	5 to 8, 10	59	65	37	2	0	160	41	19	7 13	55	24	7 17	50	
Lincoln Cawwell ...	280	43	31	—	0	7, 8	8	77	(75)	(8)	0	150	30	13	7 12	35	16	7 12	15	
3. ENGLAND, E.																				
Norfolk Gorleston ...	52	42	‡	—	0	6, 7, 8, 10	46	49	43	30	0	160	37	17	8 9	47	21	8 9	5	
Essex Shoeburyness...	103	90	‡	8	4	6, 7, 8, 10	43	63	43	15	0	170	42	19	8 10	54	24	8 10	25	
5. ENGLAND, S.E.																				
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	51	87	30	0	170	23	11	8 7	—	—	—	—	
Kent Lympne ...	409	70	‡	—	0	7, 8, 10	20	77	58	13	0	190	31	14	7 4	45	20	7 14	20	
Surrey Croydon ...	284	40	24	—	0	—	0	53	104	11	0	180 200	22 21	9	4 11 4 13	37	17	4 10	0	
Hampshire Petersfield (Stoner Hill)...	811	42	‡	—	0	—	0	53	94	16	5	150	24	11	7 10	40	18	8 1	45	
Sussex Brighton ...	261	53	6	—	0	7, 8	12	76	62	18	0	—	30	13	7 13	51	23	7 12	25	
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	6, 7, 8, 10	24	90	48	4	2	160	33	15	8 4	51	23	8 3	40	
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	6, 7, 8, 10	42	86	(40)	(0)	6	180	37	17	7 10	50	22	8 2	50	
7a. ENGLAND, N.W.																				
Lancashire Fleetwood (Cup Anr.)...	109	44	—	7	2	6 to 10	15	95	56	0	0	130	45	20	7 9	—	—	—	—	
Lancashire Southport ...	80	62	48	—	0	6 7	15	101	52	0	0	150	35	16	7 9	59	26	7 9	10	
7b. NORTH WALES.																				
Anglesey Holyhead ...	64	45	‡	6, 7	8	5 to 10	46	68	43	3	0	140	50	22	7 8	73	33	7 8	55	
8b. ENGLAND, S.W.																				
Devon Plymouth ...	185	88	2	6 to 10	27	5 to 10	49	45	33	14	0	—	51	23	7 8	69	31	7 7	45	
Cornwall Pendenis Castles ...	256	65	24	6, 7, 9	24	5 to 10	52	43	38	11	0	170	48	22	7 7	65	29	7 6	40	
10. IRELAND, S.																				
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	5, 6, 7, 9	39	71	51	7	0	170	37	17	6 6	—	—	—	—	
Clare Quilly ...	100	40	‡	7	3	5, 6, 7, 9	28	93	42	2	0	—	48	21	7 5	75	34	7 5	20	
Kerry Cahirciveen (Val. Obs.)...	98	41	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cork Weaver Pt. ...	160	30	‡	5, 6, 7, 9,	17	4 to 7, 9	39	67	36	9	0	—	52	23	7 5	80	36	7 4	35	
11a. SCILLY ISLES.																				
Scilly St. Mary's	150	32	‡	7	2	5 to 10	36	77	37	16	0	310	40	18	7 20	69	31	7 10	10	

* Cup Anemometer. †Standard mounting. ‡Direction from the Robinson Anemometer at Falmouth Observatory. §Also from 170° on the 5th at 4h. **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

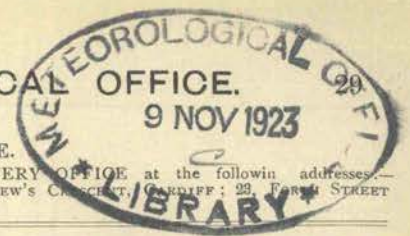
DISTRICTS. (See Frontispiece map.)		SIXTH WEEK of 1923—February 4th to February 10th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
0. SCOTLAND, NORTH ..		°F. 50	°F. 29	°F. 45.8	°F. 37.5	°F. 41.7	°F. +4.1	day-deg. F. 11	day-deg. F. + 6	day-deg. F. 13	day-deg. F. -24	5	0	inches. 1.52	mm. 39	mm. +10	hr. 2.0	hr. +0.6	% 23	mb. 991
Eastern.																				
1. SCOTLAND, EAST ..		52	29	44.4	36.3	40.3	+3.2	7	+ 1	19	-23	5	+ 1	1.45	37	+23	2.1	- 0.3	23	994
2. ENGLAND, N.E. ..		53	29	46.0	36.1	41.0	+2.5	11	+ 2	18	-15	5	+ 1	0.81	21	+12	2.1	- 0.2	23	1000
3. ENGLAND, EAST ..		54	23	46.5	36.7	41.6	+3.0	13	+ 3	15	-19	4	0	0.69	18	+ 9	2.3	- 0.2	24	1005
4. MIDLAND COUNTIES ..		52	25	47.1	36.0	41.6	+3.0	14	+ 4	17	-17	5	+ 1	1.55	39	+27	2.3	+0.2	25	1001
5. ENGLAND, S.E. ..		54	25	48.3	38.5	43.4	+3.6	20	+ 8	10	-17	5	+ 1	1.59	40	+26	2.9	+0.7	30	1004
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		50	30	46.5	36.8	41.6	+2.5	13	+ 6	15	-15	6	+ 1	1.88	48	+22	—	—	—	995
7. ENGLAND, N.W. (and North Wales) ..		56	33	47.5	38.2	42.9	+3.3	17	+ 7	11	-16	6	+ 2	1.33	34	+17	2.7	+0.8	30	997
8. ENGLAND, S.W. (and South Wales) ..		54	26	49.2	39.6	44.4	+3.4	24	+10	7	-14	5	+ 1	2.94	75	+55	2.9	+0.7	31	999
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	+1.6	40	991
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		53	32	50.4	43.1	46.8	+3.0	34	+12	0	-10	5	+ 1	2.11	54	+38	3.1	+0.5	32	1000
MEAN: DISTRICTS 1-10																				
THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, December 3rd, 1922, to February 10th 1923.																				
0. SCOTLAND, NORTH ..		57	21	45.3	37.6	41.6	+3.2	110	—	136	—	61	+ 8	17.32	440	+104	0.9	+ 0.1	13	1003
Eastern.																				
1. SCOTLAND, EAST ..		57	15	45.2	36.4	41.0	+3.5	107	—	177	—	46	+ 5	6.79	174	+16	1.6	+ 0.2	22	1005
2. ENGLAND, N.E. ..		58	26	46.2	37.5	42.0	+3.3	144	—	143	—	36	- 2	4.96	128	+16	1.8	+ 0.4	23	1011
3. ENGLAND, EAST ..		60	23	46.5	37.2	42.0	+3.4	153	—	150	—	39	- 2	4.08	105	- 8	1.8	+ 0.1	22	1014
4. MIDLAND COUNTIES ..		61	22	46.9	37.3	41.3	+2.8	163	—	143	—	39	- 2	7.01	178	+43	1.6	+ 0.2	20	1013
5. ENGLAND, S.E. ..		56	22	47.2	37.7	42.6	+2.4	173	—	131	—	36	- 3	6.69	170	+21	1.9	+ 0.2	22	1016
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		55	20	46.8	38.6	42.8	+3.0	169	—	110	—	56	+ 8	12.31	312	+28	—	—	—	1008
7. ENGLAND, N.W. (and North Wales) ..		58	24	47.1	39.6	43.5	+3.5	184	—	76	—	50	+ 7	8.72	221	+33	1.2	- 0.1	15	1012
8. ENGLAND, S.W. (and South Wales) ..		55	24	48.0	39.5	43.9	+2.2	216	—	83	—	47	+ 2	11.77	298	+60	1.5	- 0.1	18	1015
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.3	- 0.1	17	1008
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	32	50.0	43.2	46.7	+1.7	336	—	3	—	50	0	9.67	246	+46	1.7	- 0.3	20	1017
MEAN: DISTRICTS 1-10..																				
THE YEAR. Aggregates, &c., for the Period of 6 Weeks, 31st December, 1922, to February 10th, 1923.																				
0. SCOTLAND, NORTH ..		54	26	45.9	38.1	42.1	+4.1	76	+41	70	-133	38	+ 7	11.45	291	+95	1.0	0.0	14	1004
Eastern.																				
1. SCOTLAND, EAST ..		56	20	45.9	37.1	41.7	+4.5	76	+41	92	-143	29	+ 5	4.44	114	+27	1.9	+ 0.3	25	1008
2. ENGLAND, N.E. ..		58	27	46.9	37.7	42.4	+4.1	102	+61	84	-112	20	- 2	2.19	57	- 3	2.2	+ 0.6	27	1013
3. ENGLAND, EAST ..		60	23	46.7	36.9	42.0	+3.9	102	+56	100	-111	23	- 1	2.16	56	- 5	2.0	+ 0.1	24	1017
4. MIDLAND COUNTIES ..		61	22	47.4	37.1	42.4	+4.3	109	+58	93	-122	22	- 2	3.39	86	+13	1.8	+ 0.2	21	1017
5. ENGLAND, S.E. ..		56	22	47.3	37.1	42.4	+2.9	109	+47	93	- 72	22	- 1	3.43	87	+10	2.0	+ 0.2	24	1018
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		54	20	47.3	38.7	43.1	+3.7	112	+62	64	- 96	34	+ 5	7.78	197	+42	—	—	—	1011
7. ENGLAND, N.W. (and North Wales) ..		57	24	47.4	39.9	43.8	+4.3	121	+68	46	-111	30	+ 5	4.34	111	+ 8	1.5	0.0	18	1015
8. ENGLAND, S.W. (and South Wales) ..		55	24	48.0	39.3	43.8	+2.8	132	+50	58	- 66	28	+ 2	6.13	156	+34	1.8	0.0	20	1018
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6	+ 0.1	20	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	32	49.8	42.9	46.5	+2.3	192	+51	3	- 46	30	+ 1	4.32	110	+ 9	2.0	- 0.2	23	1021
MEAN: DISTRICTS 1-10..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
16th February, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Forty-Sixth Year. } No. 7.
Vol. XL. (New Series)

SEVENTH WEEK.

SUNDAY, FEBRUARY 11TH, TO SATURDAY, FEBRUARY 17TH, 1923.

Price 9d. Net, Post free 9d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week, as a whole, was cloudy and unsettled, with south-easterly gales in the northern parts of the country. There were one or two bright days and at a number of stations between seven and eight hours sunshine were recorded, notably on the first day of the week. The mean amount of sunshine for the week, however, was below the normal in most places, in fact, at a few of the northern stations the week was practically sunless. Snow fell in several places and "snow lying" was recorded to a depth of two to three inches at a few places in the Midland counties and the northern parts of England. The total amount of precipitation (rain or snow) for the week was below the normal in Scotland N. and about normal in Scotland W., but in all other districts it was above. Amongst the largest measurements recorded were:—18mm. at Crathes (Kincardine) on the 11th and at Stornoway on the 14th, 23mm. at Killarney and 20mm. at Foynes (Limerick) on the 16th and 39mm. at Mallarany (Mayo), 33mm. at Rhayader (Radnor), 31mm. at St. Ann's Head (Pembroke) and at Waterford, 26mm. at Colmonell (Ayr), 24mm. at Cardiff and 18mm. at Culmington (Devon) on the 17th. Maximum temperatures of 50°F. or slightly above were registered in most parts of England and Ireland but at a few of the

Scottish stations the highest temperatures of the week did not exceed 43°F. The lowest of the screen minima were recorded generally about the middle of the week and at a few stations readings below 32°F. were recorded. Ground frosts occurred at most places, the lowest reading of the grass minimum thermometer being 19°F. at Rhayader on the morning of the 15th. The mean temperature for the week was again above the normal (for the seventh week in succession) in all districts. The mean daily range of temperature varied a good deal; in some parts of Scotland the range was only about 2°F., whereas in several places in England and Ireland it was between 10°F. and 12°F. The departure of the mean duration of sunshine from the normal for the week ranged from +0.6 hour at Cambridge to -3.0 hours at Crathes. Solar halos were observed at Dublin on the 17th, at Ross-on-Wye on the 11th, 14th and 17th, at Oxford on the 11th, 12th, 14th, 15th and 16th. At Oxford on the 11th the 22° halo with the upper tangent arc was visible all day; a sun pillar was seen at times as was also a parhelion. The Zodiacal Light was witnessed at Tenbury on the 14th and at Wadhurst (near Tunbridge Wells) on the 11th and 14th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Silly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahiriveen.			
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
					m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		
South	...	...	28	22	9.7	22	10	4.4	20	7	3.2	19	6	2.6	14	9	3.8	15	9	3.8	22	9	4.0	—	—	—	—	—	—	—	—	—	—		
North	...	...	0	—	—	0	—	—	2	6	2.7	0	—	—	7	4	2.0	5	5	2.1	4	2	0.8	—	—	—	—	—	—	—	—	—	—		
West	...	...	0	—	—	1	7	3.1	5	3	1.3	13	4	1.9	12	9	4.1	20	14	6.3	14	12	5.2	—	—	—	—	—	—	—	—	—	—		
East	...	...	28	23	10.3	20	7	3.1	17	14	6.3	8	8	3.7	11	8	3.4	3	12	5.5	12	10	4.3	—	—	—	—	—	—	—	—	—	—	—	
Calm (or wind- speed < 4 m.p.h.)				0	—	—	5	—	—	4	—	—	7	—	—	4	—	—	2	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
No record				...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	—	—	—	—	—	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Unusual	—	—	Unusual
	Rainfall ..	Light	Heavy	Heavy	Very Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	—	—	Heavy
	Sunshine ..	Scanty	Very Scanty	Very Scanty	Moderate	Scanty	Moderate	—	Scanty	Scanty	Moderate	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 11 weeks from Dec. 3rd, 1922.	Warmth	..	7, 4, 0	7, 4, 0	7, 4, 0	8, 3, 0	9, 2, 0	4, 7, 0	5, 6, 0	8, 3, 0	4, 7, 0	—	—	4, 7, 0
	Rainfall	..	4, 6, 1	7, 0, 4	4, 4, 3	5, 3, 3	5, 2, 4	5, 1, 5	6, 3, 2	6, 2, 3	5, 2, 4	—	—	5, 2, 4
	Sunshine	..	5, 5, 1	4, 6, 1	5, 4, 2	4, 5, 2	4, 3, 4	6, 3, 2	—	5, 1, 5	3, 4, 4	3, 4, 4	—	1, 5, 5

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

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DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	42	11th	32	15, 16	39.0	34.0	36.5	- 1.3	5	0.44	11	- 10	Lerwick	0.7	—	—	—	—	—	—	—	—
Orkneys	Deerness	100	p	45	11, 12	35	15th	41.9	37.7	39.8	+1.7	5	0.37	9	- 11	Deerness	0.0	- 2.1	0	—	—	—	—	—	—
Hebrides	Stornoway	51	t	47	12th	36	13th	44.9	39.6	42.3	+3.6	5	1.04	26	- 4	Stornoway	1.0	- 1.3	10	—	—	—	—	—	—
	Castlebay	37	t	47	12, 16	41	15th	45.4	42.6	44.0	—	6	0.75	19	—	Castlebay	1.7	—	18	—	—	—	—	—	—
Caithness	Wick	81	t	44	12th	36	15th	41.3	38.6	39.9	+2.5	12	0.24	6	- 10		—	—	—	—	—	—	—	—	—
Ross and Cromarty	Strathpeffer	125	a	46	13th	31	15, 16	43.2	35.2	39.2	+2.0	5	0.19	5	- 13		—	—	—	—	—	—	—	—	—
Inverness	Achnashellach	225	h	48	13th	32	13th	44.4	37.1	40.7	—	4	0.28	7	—	Achnashellach	—	—	—	—	—	—	—	—	—
	Inverness	242	h	45	13, 16	34	15, 17	43.4	37.3	40.3	—	3	0.66	2	—	Inverness	2.0	—	21	—	—	—	—	—	—
	Fort Augustus	68	a	48	11th	31	13th	45.1	37.1	41.1	+3.8	12	0.06	2	- 26		—	—	—	—	—	—	—	—	—
	Fort William	171	p	49	11th	31	15th	45.9	37.7	41.8	+3.3	5	0.12	5	- 45		—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	45	13th	34	15th	43.3	37.0	40.1	+2.4	4	0.07	2	- 9	Nairn	1.4	—	15	—	—	—	—	—	—
Elgin	Gordon Castle	101	p	45	12th	34	14, 15, 17	40.7	36.1	38.4	- 0.3	3	0.47	12	0	Gordon Castle	0.5	—	6	—	—	—	—	—	—
Aberdeen	Aberdeen	46	t	45	12th	34	15th	40.0	38.0	39.0	—	6	1.06	27	+14	Aberdeen	0.1	- 2.7	1	0	32	—	—	41.5	+2.2
	Balmoral	930	a	40	12th	31	15th	27.0	33.4	35.2	+0.7	7	0.67	17	0	Balmoral	—	—	—	—	—	—	—	—	—
Perth	Crieff	478	p	44	12th	32	14, 15	40.4	35.4	37.9	- 0.2	7	0.93	24	+ 3	(Kinc.) Crathes	0.0	- 3.0	0	1	30	39.3	—	40.9	—
Forfar	Dundee	147	a	43	12th	34	14, 15	40.9	36.9	38.9	—	6	0.99	25	—	Dundee	0.2	—	2	0	33	40.0	—	—	—
Pife	Inchkeith	190	t	43	11th	35	14, 15	40.3	38.3	39.3	—	6	0.44	11	—	Inchkeith	0.4	—	5	0	32	—	—	—	—
Midlothian	Edinburgh	441	p	43	11th	31	15th	40.7	36.0	38.3	- 0.1	6	0.41	10	0	Edinburgh	0.4	- 2.6	4	1	27	—	—	—	—
Peebles	West Linton	770	a	43	12, 13	27	15th	39.4	33.3	36.3	+0.8	7	0.54	14	—	West Linton	—	—	—	5	24	—	—	—	—
Berwick	Marchmont	498	a	42	11th	31	14, 15	38.6	34.1	36.3	- 1.0	7	1.21	31	+18	Marchmont	0.6	- 2.0	6	—	—	—	—	—	—
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	47	14th	30	13th	44.4	35.7	40.1	—	5	0.60	15	—	Ford	—	—	—	2	27	41.0	—	43.4	—
Renfrew	Renfrew	49	t	45	11, 12	30	13th	41.9	35.7	38.8	—	6	0.74	19	—	Renfrew	0.3	—	3	1	24	—	—	—	—
Bute	Rothsay	200	p	46	16th	34	14, 15	43.1	36.4	39.7	- 0.3	7	1.13	29	+ 1	Rothsay	0.7	—	8	1	29	40.4	—	43.9	+2.3
Ayr	Kilmarnock	90	a	51	16th	32	15th	44.9	35.1	40.0	+1.3	5	0.62	16	- 4	Kilmarnock	1.5	—	15	—	—	40.5	—	43.9	—
	Colmonell	170	a	50	16th	33	13th	45.1	37.0	41.1	+2.2	6	2.01	51	+25	Colmonell	—	—	—	1	28	—	—	—	—
Dumfries	Dumfries	140	p	49	16th	32	15th	43.7	35.7	39.7	+0.8	6	0.75	19	- 2	Dumfries	1.2	—	13	3	25	41.1	+3.2	43.2	+3.1
	Eskdalemuir	794	t	43	16th	30	15th	39.1	34.3	36.7	—	7	0.75	19	—	Eskdalemuir	0.3	—	4	2	28	—	—	—	—
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	48	16th	36	13th	44.1	39.1	41.6	+0.8	7	1.48	38	+15	Douglas	1.4	- 1.2	15	1	30	—	—	—	—
2. ENGLAND, N.E.																									
Northum-berland	Cockle Park	324	p	45	12, 13	32	14th	41.9	35.3	38.6	+1.2	7	1.06	27	+16	Cockle Park	0.1	- 2.8	1	4	24	39.3	+2.8	41.8	+2.7
	Tynemouth	118	t	45	11, 12	34	14th	41.4	38.4	39.9	+0.7	6	0.66	17	+ 8	Tynemouth	—	—	—	0	33	—	—	—	—
Durham	Durham	336	p	43	11th	31	15, 16	39.4	33.7	36.5	- 1.5	6	0.53	13	+ 5	Durham	0.1	- 2.3	1	3	27	—	—	—	—
York	Rounton	249	p	46	12th	32	14th	41.7	34.9	38.3	+0.3	6	0.61	15	+ 6	Rounton	—	—	—	5	24	39.7	—	—	—
N. Riding	West Witton	605	a	44	13, 16	30	14th	39.9	34.6	37.3	—	7	0.69	18	—	West Witton	—	—	—	2	28	38.0	—	41.6	—
	Scarborough	118	h	50	12th	34	14th	41.4	38.1	39.7	0.0	6	0.59	15	+ 4	Scarborough	0.5	- 2.0	5	—	—	—	—	42.7	—
	York	56	p	47	11, 12	33	14th	43.0	36.9	39.9	+0.7	6	0.90	23	+14	York	0.2	- 1.9	2	—	—	41.1	+2.7	43.0	+2.1
E. Riding	Spurn Head	26	t	49	12th	34	14th	42.4	38.3	40.3	+1.1	7	0.88	22	+14	Spurn Head	0.8	—	9	—	—	—	—	—	—
Lincoln	Lincoln	58	a	51	16th	32	14, 16	45.1	35.7	40.4	+1.5	5	0.98	25	+16	Lincoln	—	—	—	0	31	40.4	+3.1	42.8	+2.3
	Cranwell	237	t	50	11, 12	32	14, 15	43.4	35.9	39.7	+0.9	7	1.14	29	+20	Cranwell	2.0	- 0.9	21	1	28	—	—	—	—
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.3	- 0.7	23	—	—	—	—	—	—
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	53	11th	31	14, 15	44.9	34.9	39.9	+1.1	7	0.80	20	+11	Cromer	2.5	- 0.3	25	—	—	—	—	—	—
	Yarmouth	13	t	52	16th	34	14th	44.6	37.9	41.3	+2.9	7	0.86	22	+11	Yarmouth	2.3	—	24	2	30	42.0	+3.0	44.1	+1.5
	Norwich	93	a	50	11, 16	33	14, 15	44.6	36.6	40.6	+1.9	6	1.01	26	+14	Norwich	2.6	—	27	2	28	39.8	—	—	—
	Gedeston	37	a	54	12th	33	14th	46.2	36.6	41.4	+2.3	6	0.99	25	+15	Gedeston	2.4	- 0.2	25	—	—	—	—	—	—
Cambridge	Cambridge	41	p	53	11th	34	12, 14	44.9	36.7	40.8	+1.8	6	0.70	18	+ 9	Cambridge	3.2	+0.6	33	3	27	42.3	+3.4	44.0	+2.0
Hertford	Rothamsted	420	a	50	11th	33	15th	45.0	35.9	40.5	+2.1	6	0.85	21	+ 8	Rothamsted	2.7	+0.2	27	3	26	40.7	—	—	—
Middlesex	Tottenham	51	p	50	11, 16, 17	35	15th	46.7	39.0	42.9	—	6	1.07	27	—	Tottenham	1.3	—	14	—	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	51	16th	37	15th	46.9	40.3	43.6	+5.0	5	0.48	12	+ 3	Clacton-on-Sea	3.4	+0.4	34	0	35	42.7	+2.6	44.4	+1.3
	Southend	90	h	54	11th	34	15th	47.7	38.1	42.9	—	6	0.59	15	—	Southend	2.7	—	28	0	33	42.8	—	—	—
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	45	16th	30	14, 15	40.0	33.7	36.9	- 0.8	7	1.04	27	+13	Harrogate	0.2	- 2.4	2	0	31	39.9	+2.0	41.6	+2.0
W. Riding	Sheffield	429	p	51	16th	32	14th	43.9	35.1	39.5	—	7	1.04	27	+11	Sheffield	1.2	- 1.1	12	2	28	39.3	+1.7	41.9	+1.2
Derby	Buxton	987	p	48	16th	31	13, 14	41.3	33.0	37.1	+1.0	6	1.37	35	+10	Buxton	0.9	—	9	0	31	38.2	+1.3	41.7	+1.2
Nottingham	Worksop (Hods'ckP)	56	a	55	16th	32	15th	45.0	35.0	40.0	+1.0	5	1.07	27	+17	Worksop	1.2	- 0.9	12	3	27	40.6	—	42.5	—
	Nottingham	82	t	51	16th	33	14, 15	44.6	36.7	40.7	+1.8	6	0.83	21	+11	Nottingham	1.1	- 1.1	11	1	29	40.3	+3.0	42.1	+3.0
Warwick	Birmingham (Edg.)	525	p	48	16th	35	15th	44.7	36.9	40.8	+1.9	7	1.41	36	+25	Birmingham	1.1	- 0.7	12	0	31	41.8	+2.3	45.0	+1.5
Northampton	Raunds	213	a	52	16th	32	14th	46.3	36.1	41.2	+2.9	7	0.80	20	+10	Raunds	2.3	—	23	1	29	41.4	—	—	—
Oxford	Oxford	208	p	53	11th	32	15th	47.1	37.9	42.5	+2.8	6	1.09	28	+17	Oxford	1.9	- 0.6	19	3	27	—	—	—	—
Stafford	Cheadle	648	a	50	16th	31	15th	42.0	34.0	38.0	+0.2	7	1.60	41	+27	Cheadle	—	—	—	5	26	—	—	—	—
Worcester	Tenbury	313	p	49	16th	31	15th	45.9	36.0	40.9	+1.4	6	1.30	33	+24	Tenbury	—	—	—	4	27	42.2	—	—	—
	Malvern	377	h	49	16th	35	15th	45.6	38.3	41.9	—	7	1.31	33	—	Malvern	1.0	—	10	1	30	41.1	—	43.0	—
Hereford	Hereford	291	a	49	16th	32	15th	45.7	36.7	41.2	+1.8	5	1.24	31	+17	Ross on Wye	1.6	—	16	2	26	42.7	—	44.4	—
Gloucester	Clifton	225	a	50	16th	37	12th	47.4	39.7	43.5	+3.0	6	1.28	32	+16	Clifton	1.7	—	17	0	34	—	—	—	—
5. ENGLAND, S.E.																									
London	Westminster	27	a	52																					

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters α and β retain their significance, α indicating that the extremes are for 24 hours beginning or ending at the morning observations, β for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. † Temperatures recorded on a Glaisher stand. ‡ Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day		Ground Temperature					
			Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.	Ft.		*F.	*F.	*F.	*F.	*F.			in.	mm.	mm.	Aberystwyth	Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.	*F.	
Cardigan	16	h	51	16th	39	15th	48.6	41.9	45.3	6	1.80	46	Aberystwyth	1.4	-1.2	14	—	—	—	—	—		
Pembroke	149	t	49	17th	41	14, 15	47.9	43.6	45.7	6	2.20	56	St. Ann's Hd.	1.9	-0.9	19	—	—	—	—	—		
Radnor	757	a	47	16th	30	15th	44.7	36.7	40.7	7	2.58	66	Rhayader	0.8	—	8	12	19	—	—	—		
Glamorgan	202	p	51	14, 17	34	12th	48.0	38.1	43.1	7	2.09	53	Cardiff	1.8	—	18	2	23	43.2	+3.4	45.0	+2.3	
8b. ENGLAND, S.W.																							
Somerset	66	h	52	11, 16	32	12th	49.6	38.7	44.1	6	1.17	30	Bath	1.6	-1.1	16	—	—	43.5	—	45.0	—	
Dorset	722	a	50	11, 12	34	14th	47.3	36.6	41.9	6	0.93	24	Shaftesbury	—	—	—	—	—	43.0	—	44.3	—	
Devon	19	t	51	11, 17	41	14th	49.3	43.6	46.5	4	0.67	17	Weymouth	2.0	—	20	—	—	—	—	—	—	
Devon	613	a	50	14, 17	34	15th	48.4	38.8	43.6	6	2.03	52	Cullompton	2.0	-0.5	21	3	24	44.8	—	—	—	
Devon	202	a	54	14, 17	32	12th	50.6	37.3	43.9	7	1.51	38	Plymouth	1.5	-1.4	15	0	35	45.9	+3.7	47.0	—	
Devon	116	p	53	14, 16	37	12th	51.3	42.6	46.9	6	1.11	28	Plymouth	1.5	-1.4	15	0	35	45.9	+3.7	47.0	—	
Cornwall	190	h	52	13, 17	39	14th	49.9	42.4	46.1	6	1.00	25	Newquay	1.0	-1.8	10	—	—	46.7	—	47.6	—	
Cornwall	167	h	52	12, 17	40	11th	50.7	43.4	47.1	6	1.29	33	Falmouth	1.2	-1.8	12	0	32	45.3	—	47.0	—	
9. IRELAND, N.																							
Donegal	71	t	49	16th	36	15th	46.4	40.0	43.2	7	1.33	34	Malin Head	2.0	—	21	—	—	—	—	—	—	
Mayo	10	t	—	—	—	—	—	—	—	7	—	—	—	—	—	—	—	—	—	—	—	—	
Sligo	120	a	53	13th	36	14, 17	48.7	38.7	43.7	7	3.73	95	Mallanrae	1.9	—	20	2	27	—	—	—	—	
Sligo	122	p	51	14th	31	11, 14, 15	49.0	33.9	41.5	7	2.11	54	Markree Castle	2.1	-0.3	22	5	26	42.9	+2.0	45.6	+2.1	
Armagh	204	p	50	14, 16	37	12, 14, 16	47.0	38.4	42.7	6	1.63	41	Armagh	2.0	-0.4	20	1	29	43.0	+2.9	44.9	+2.2	
Down	35	t	48	16th	38	13th	45.7	41.6	43.7	7	1.59	41	Down	—	—	—	—	—	—	—	—	—	
10. IRELAND, S.																							
Dublin	54	p	50	16th	39	13, 14, 16	47.6	40.1	43.9	7	1.64	42	Trinity Coll.	—	—	—	2	29	43.8	+2.3	45.8	+2.2	
King's County	175	t	50	11, 13, 17	35	11th	48.9	37.7	43.3	7	1.51	38	Phoenix Park	1.5	-1.2	16	3	27	—	—	—	—	
Kilkenny	195	a	50	11, 17	31	14th	48.7	34.7	41.7	7	1.94	49	Dublin City	—	—	—	0	32	—	—	—	—	
Waterford	137	a	52	13, 17	36	11th	50.3	39.0	44.7	6	2.26	57	Birr Castle	1.6	-0.8	17	5	26	—	—	—	—	
Waterford	542	p	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Limerick	50	a	52	13, 17	36	15, 17	50.4	38.9	44.7	6	2.02	51	Seskin	—	—	—	—	—	—	—	—	—	
Kerry	30	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cork	174	a	53	11, 13	33	14th	51.2	39.9	45.5	6	2.50	64	Cahiriveen	—	—	—	—	—	—	—	—	—	
Cork	32	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																							
Scilly	131	t	52	13, 15, 17	42	11th	50.9	45.7	48.3	6	0.66	17	Scilly	0.6	-2.6	6	—	—	—	—	—	—	
Guernsey	173	p	34	11th	40	12th	51.7	43.6	47.7	6	0.95	24	Grange	1.9	-1.3	19	1	30	46.3	+3.1	47.0	+1.7	
Jersey	25	t	53	16th	40	15th	51.4	44.0	47.7	4	0.96	24	St. Heliers	1.8	-1.7	18	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 17th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ‡										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	+	11	9	11 to 17	91	68	0	0	0	160	44	20	11	1	63	28	11	2	35		
Orkneys **Deerness (Cup Anr.)	188	16	5	10, 11	22	10 to 16	127	19	0	0	0	120	48	21	10	9	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	+	—	0	11,12,13,15,16,17	67	92	9	0	0	130	35	15	11	8	48	21	11	11	20		
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	75	68	25	0	170	21	9	17	21	36	16	17	23	45		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	12	125	31	0	120	17	7	17	22	35	16	17	21	40		
Dumfries Eskdalemuir ...	825	50	22	—	0	17	4	54	78	32	0	90	27	12	17	8	40	18	17	5	30		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	11, 13, 15, 16, 17	45	65	49	9	0	140	32	14	17	3	42	19	15	22	30		
York, E.R. Spurn Head ...	67	41	+	—	0	11, 13, 15, 16, 17	41	68	55	4	0	100	30	13	17	10	40	18	17	10	10		
Lincoln Cranwell ...	280	43	31	—	0	—	0	36	(116)	(16)	0	170	18	8	11	7	27	12	11	7	5		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	+	—	0	17	9	89	36	34	0	80	27	12	17	11	34	15	17	11	25		
Essex Shoeburyness...	103	90	+	—	0	—	0	81	65	22	0	100	23	10	13	19	30	13	17	4	45		
5. ENGLAND, S.E.																							
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	13	117	38	0	100	18	8	17	21	—	—	—	—	—		
Kent Lymington ...	409	70	+	—	0	—	0	39	96	33	0	190	19	9	11	1	28	13	17	3	35		
Surrey Croydon ...	284	40	24	—	0	—	0	5	131	32	0	210	15	7	11	2	29	13	17	3	15		
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	9	120	38*	1	170	15	7	16	24	28	13	16	23	15		
Sussex Brighton ...	261	53	6	—	0	—	0	24	86	58	0	—	17	8	17	1	29	13	17	1	35		
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	50	75	25	18	180 200	23	10	11	12 6	40	18	16	23	50		
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	11, 16	4	80	(84)	(0)	0	220	31	14	11	3	45	20	11	2	40		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	17	1	69	90	8	0	110	25	11	17	20	—	—	—	—	—		
Lancashire Southport ...	80	62	48	—	0	17	8	78	81	1	0	130	26	12	17	23	41	18	17	23	20		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	+	—	0	11, 16, 17	8	58	86	16	0	120	33	15	16	24	48	21	16	23	35		
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	—	0	15, 16, 17	9	58	67	34	0	—	35	16	16	19	43	22	16	19	50		
Cornwall Pendennis Castle...	256	65	24	—	0	15, 1, 17	12	74	70	12	0	190	36	16	16	18	47	21	16	18	25		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	16	1	11, 15, 16, 17	19	63	75	10	0	100	42	19	16	21	—	—	—	—	—		
Clare Quilty ...	100	40	+	—	0	15, 16	7	65	84	12	0	—	27	12	15	8	41	18	15	7	35		
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Cork Weaver Pt. ...	160	30	+	—	0	15, 16	14	61	83	10	0	—	32	14	16	15	56	25	16	17	50		
11a. SCILLY ISLES.																							
Scilly St. Mary's ...	150	32	+	—	0	11, 16, 17	19	95	31	9	14	260	30	13	16	18	47	21	11	0	5		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		SEVENTH WEEK of 1923—February 11th to February 17th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		49	31	43.4	37.0	40.2	+2.3	4				4	- 1	0.35	9	- 22	1.0	- 1.1	11	1011
Eastern.																				
1. SCOTLAND, EAST ..		45	27	40.0	35.7	37.8	+0.3	0	- 8	29	-12	6	+ 2	0.67	17	+ 3	0.5	- 2.3	5	1012
2. ENGLAND, N.E. ..		51	31	42.2	36.4	39.3	+0.4	1	- 9	19	-12	6	+ 2	0.82	21	+12	0.9	- 1.8	9	1012
3. ENGLAND, EAST ..		54	31	45.5	37.2	41.4	+2.7	10	- 1	14	-20	6	+ 2	0.85	21	+10	2.5	- 0.1	26	1014
4. MIDLAND COUNTIES		55	30	44.9	36.3	40.6	+1.8	8	- 4	18	-16	6	+ 2	1.17	30	+18	1.2	- 1.1	13	1012
5. ENGLAND, S.E. ..		53	29	47.7	38.6	43.2	+3.0	18	+ 4	10	-17	6	+ 2	0.69	18	+ 4	2.4	- 0.3	24	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		51	30	43.9	36.4	40.1	+0.7	5	- 5	19	-10	6	+ 1	1.05	27	0	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		53	31	45.6	37.6	41.6	+1.8	10	0	13	-13	6	+ 2	0.94	24	+ 9	1.3	- 1.2	14	1009
8. ENGLAND, S.W. (and South Wales)		54	30	48.8	39.9	44.3	+3.0	22	+ 6	6	-15	6	+ 2	1.56	40	+20	1.4	- 1.3	14	1011
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	- 0.4	21	1008
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		54	40	51.3	44.4	47.9	+3.7	41	+17	0	- 9	5	0	0.86	22	+ 3	1.5	- 1.9	15	1012
MEAN: DISTRICTS 1-10																				
THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, December 3rd, 1922, to February 17th 1923.																				
0. SCOTLAND, NORTH ..		57	21	45.2	37.5	41.5	+3.1	114	—	153	—	65	+ 7	17.67	449	+82	0.9	0.0	13	1003
Eastern.																				
1. SCOTLAND, EAST ..		57	15	44.8	36.4	40.7	+3.2	107	—	206	—	52	+ 7	7.46	191	+19	1.5	0.0	20	1006
2. ENGLAND, N.E. ..		58	26	45.9	37.4	41.8	+3.1	145	—	162	—	42	0	5.78	149	+28	1.8	+ 0.2	22	1011
3. ENGLAND, EAST ..		60	23	46.4	37.2	41.9	+3.3	163	—	164	—	45	0	4.93	126	+ 2	1.9	+ 0.2	23	1014
4. MIDLAND COUNTIES		61	22	46.7	37.2	41.2	+2.6	171	—	161	—	45	0	8.18	208	+61	1.5	0.0	19	1013
5. ENGLAND, S.E. ..		56	22	47.2	37.8	42.7	+2.5	191	—	141	—	42	- 1	7.38	188	+25	1.9	+ 0.1	22	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	20	46.6	38.4	42.6	+2.8	174	—	129	—	62	+ 9	13.36	339	+28	—	—	—	1008
7. ENGLAND, N.W. (and North Wales)		58	24	47.0	39.4	43.3	+3.3	194	—	89	—	56	+ 9	9.66	245	+42	1.2	- 0.2	15	1012
8. ENGLAND, S.W. (and South Wales)		55	24	48.1	39.5	43.9	+2.2	238	—	89	—	53	+ 4	13.33	338	+80	1.5	- 0.2	18	1015
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.4	- 0.1	18	1008
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	32	50.1	43.3	46.8	+1.9	377	—	3	—	55	0	10.53	268	+49	1.7	- 0.5	20	1017
MEAN: DISTRICTS 1-10..																				
THE YEAR. Aggregates, &c., for the Period of 7 Weeks, 31st December, 1922, to February 17th, 1923																				
0. SCOTLAND, NORTH ..		54	26	45.5	37.9	41.9	+3.9	80	+38	87	-153	42	+ 6	11.80	300	+73	1.0	- 0.1	13	1005
Eastern.																				
1. SCOTLAND, EAST ..		56	20	45.1	36.9	41.1	+3.9	76	+33	121	-155	35	+ 7	5.11	131	+30	1.7	0.0	21	1008
2. ENGLAND, N.E. ..		58	27	46.2	37.6	42.0	+3.6	103	+52	103	-124	26	0	3.01	78	+ 9	2.0	+ 0.2	24	1013
3. ENGLAND, EAST ..		60	23	46.6	37.0	41.9	+3.7	112	+55	114	-131	29	+ 1	3.01	77	+ 5	2.1	+ 0.1	24	1016
4. MIDLAND COUNTIES		61	22	47.0	37.0	42.1	+3.9	117	+54	111	-138	28	0	4.56	116	+31	1.7	0.0	20	1016
5. ENGLAND, S.E. ..		56	22	47.3	37.3	42.5	+2.9	127	+51	103	- 89	28	+ 1	4.12	105	+14	2.1	+ 0.2	24	1017
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		54	20	46.8	38.4	42.7	+3.3	117	+57	83	-106	40	+ 6	8.83	224	+42	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		57	24	47.2	39.6	43.5	+3.9	131	+68	59	-124	36	+ 7	5.28	135	+17	1.4	- 0.2	17	1014
8. ENGLAND, S.W. (and South Wales)		55	24	48.1	39.4	43.9	+2.8	154	+56	64	- 81	34	+ 4	7.69	196	+54	1.7	- 0.2	20	1017
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.7	+ 0.1	20	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		55	32	50.0	43.1	46.7	+2.5	233	+68	3	-55	35	+ 1	5.18	132	+12	1.9	- 0.5	21	1019
MEAN: DISTRICTS 1-10 ..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
23rd February, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER: 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH.

Forty-Sixth Year. } No. 8.
Vol. XL. (New Series) }

EIGHTH WEEK.

SUNDAY, FEBRUARY 18TH, TO SATURDAY, FEBRUARY 24TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was of a very unsettled character. Snow fell in several places, notably in the Midland counties and the more northern parts of the country, and at a few stations hail was reported. "Snow lying" was recorded in parts of Yorkshire and Derbyshire to a depth of from 8 to 12 inches, the ground being covered, in some places for at least six days. Thunderstorms occurred in the London area on the 21st and on various dates in several other parts of the country. The mean temperature for the week was above the normal in England S.E., England S.W. and the Channel Islands, but in all other districts it was below. The maximum temperature at several stations in the southern parts of the country rose above 50°F., the highest being 55°F. at Plymouth on the 24th. On the other hand at a number of places in the more northern parts of the Kingdom the day temperatures during the first half of the week were decidedly low, in fact, at a few stations on one or two days the maximum temperature did not exceed 32°F. There were no exceptionally low screen minimum temperatures recorded, although ground frosts were registered at nearly all stations. Amongst the lowest readings of the grass minimum thermometer were

17°F. at Cranwell and Rhayader (Radnor) and 18°F. at Balmoral and Blackpool. The total amount of precipitation (rain or snow) for the week was below the normal in Scotland, but in all other districts it was above. Amongst the largest measurements were 35 mm. at Bradford, 21 mm. at Lincoln and Sheffield, 20 mm. at Harrogate and Hodsock Priory (Worksop) and 19 mm. at Hull and York on the 18th and 20 mm. at Folkestone on the 22nd. There were a few sunshine records of between 8 and 9 hours obtained on various dates, but the mean amount for the week was generally below the normal. The departure of the mean duration of sunshine from the normal for the week ranged from +1.3 hours at Plymouth to -2.7 hours at Aberdeen and Skegness. Solar halos were observed at Clacton, Dublin, Norwich and Tenbury on the 22nd and at Ross-on-Wye on the 18th and 22nd. Lunar halos were seen at Guernsey on the 21st and 22nd and at Ross-on-Wye on the 23rd. The Oxford observations included halos of 22° on three days, the halo of 46° on two. At about 13.30 on February 21st in addition to the halos of 22° and 46°, the upper arc of contact of the former halo, the circumzenithal arc and two parhelia were visible.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.	Fre. quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	28	22	9.8	22	10	4.4	15	12	5.2	12	7	3.1	18	8	3.7	—	—	—	20	9	4.2	—	—	—
North	0	—	—	0	—	—	7	7	3.3	9	6	2.5	2	5	2.4	—	—	—	3	6	2.8	—	—	—
West	0	—	—	0	—	—	5	5	2.4	9	7	3.2	8	6	2.6	—	—	—	9	11	5.1	—	—	—
East	27	17	7.6	20	6	2.9	19	15	6.6	12	7	3.2	19	12	5.2	—	—	—	15	11	4.7	—	—	—
Calm (or wind-speed < 4 m.p.h.)	0	—	—	6	—	—	4	—	—	4	—	—	0	—	—	—	—	—	4	—	—	—	—	—
No record	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth	.. Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	—	—	Moderate
	Rainfall	.. Light	Moderate	Very Heavy	Very Heavy	Very Heavy	Heavy	Moderate	Moderate	Heavy	—	—	Heavy
	Sunshine	.. Moderate	Very Scanty	Very Scanty	Very Scanty	Very Scanty	Scanty	—	Scanty	Moderate	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 12 weeks from Dec. 3rd, 1922.	Warmth	..	7, 5, 0	7, 4, 1	7, 4, 1	8, 4, 0	9, 2, 1	4, 8, 0	5, 6, 1	8, 3, 1	4, 8, 0	—	—	4, 8, 0
	Rainfall	..	4, 6, 2	7, 1, 4	5, 4, 3	6, 3, 3	6, 2, 4	6, 1, 5	6, 4, 2	6, 3, 3	6, 2, 4	—	—	6, 2, 4
	Sunshine	..	5, 6, 1	4, 6, 2	5, 4, 3	4, 5, 3	4, 3, 5	6, 3, 3	—	5, 1, 6	3, 5, 4	3, 5, 4	—	1, 6, 5

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	40	24th	30	23rd	37.9	32.1	35.0	- 3.1	4	0.63	16	- 1	Lerwick	0.8	-	8	-	-	-	-	-	-
Orkneys	Deerness	160	p	46	24th	34	21st	42.6	36.7	39.7	+0.6	4	0.17	4	- 19	Deerness	2.8	+0.3	28	-	-	-	-	-	-
Hebrides	Stornoway	51	t	48	19th	33	21st	43.7	39.1	41.4	-	5	0.65	17	-	Stornoway	2.5	-	25	-	-	-	-	-	-
	Castletay	37	t	43	23, 24	-	-	39.4	-	-	-	6	0.17	4	- 8	Castletay	-	-	-	-	-	-	-	-	-
Caithness	Wick	81	t	44	24th	25	23rd	40.4	30.7	35.5	- 2.3	1	0.02	1	- 13	-	-	-	-	-	-	-	-	-	-
Ross and Cromarty	Strathpeffer	125	a	46	24th	25	23rd	42.1	31.9	37.0	-	1	0.01	0.3	-	Achnashellach	-	-	-	4	21	-	-	-	-
	Achnashellach	225	a	45	24th	27	23rd	41.0	32.0	36.5	-	1	0.01	0.3	-	Inverness	2.3	-	23	3	20	-	-	-	-
Inverness	Inverness	242	h	47	24th	27	23rd	42.3	32.0	37.1	- 0.9	1	0.10	3	- 18	-	-	-	-	-	-	-	-	-	-
	Fort Augustus	68	a	47	24th	31	23rd	42.3	34.6	38.5	- 0.6	1	0.01	0.3	- 38	-	-	-	-	-	-	-	-	-	-
	Fort William	171	p	47	24th	31	23rd	42.3	34.6	38.5	- 0.6	1	0.01	0.3	- 38	-	-	-	-	-	-	-	-	-	-
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	45	24th	26	21st	40.6	30.9	35.7	- 2.1	1	0.08	2	- 9	Nairn	2.2	-	22	-	-	-	-	-	-
Elgin	Gordon Castle	101	p	44	24th	30	23rd	38.7	32.1	35.4	- 3.4	3	0.12	3	- 9	Gordon Castle	1.9	-	20	-	-	-	-	-	-
Aberdeen	Aberdeen	46	t	45	24th	31	21st	38.4	34.9	36.7	-	4	0.31	8	- 5	Aberdeen	0.1	- 2.7	1	0	31	-	-	-	-
	Balmoral	930	a	40	23th	24	23, 24	35.1	27.0	31.1	- 3.5	6	0.53	13	- 3	Balmoral	-	-	7	18	-	-	-	-	-
Perth	Crieff	478	p	41	24th	27	21st	35.9	30.4	33.1	- 5.2	6	0.74	19	- 1	Perth	0.6	- 2.3	6	4	24	-	-	-	-
Forfar	Dundee	147	a	42	23, 24	30	21st	39.0	31.7	35.3	-	7	0.53	13	-	Dundee	0.1	-	1	4	28	-	-	-	-
Fife	Inchkeith	190	t	43	24th	31	21st	38.7	34.1	36.4	-	2	0.10	3	-	Inchkeith	0.8	-	8	1	29	-	-	-	-
Midlothian	Edinburgh	441	p	42	24th	28	21st	37.9	31.0	34.5	- 4.0	2	0.10	3	- 6	Edinburgh	1.7	- 1.3	17	6	24	-	-	-	-
Peebles	West Linton	770	a	41	24th	25	21st	36.6	28.3	32.5	- 3.1	5	0.19	5	-	West Linton	-	-	7	20	-	-	-	-	-
Berwick	Marchmont	498	a	42	23th	18	21, 2	36.9	30.9	33.9	- 3.5	3	0.35	9	- 4	Marchmont	0.4	- 2.2	4	-	-	-	-	-	-
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	42	23, 24	30	22, 23	39.0	32.1	35.5	-	4	0.78	20	-	Ford	-	-	-	7	25	-	-	-	-
Renfrew	Renfrew	49	t	44	24th	28	21st	39.0	32.3	35.7	-	6	0.54	14	-	Renfrew	0.4	-	4	4	22	-	-	-	-
Bute	Rothsay	200	p	43	23, 24	28	21st	39.3	32.7	36.0	- 4.1	7	0.91	23	+ 1	Rothsay	1.2	-	12	2	28	-	-	-	-
Ayr	Kilmarnock	90	a	46	23rd	28	21st	41.3	30.9	36.1	- 2.7	5	0.43	11	- 5	Kilmarnock	1.5	-	15	-	-	-	-	-	-
	Colmonell	170	a	45	23rd	28	21st	40.7	31.0	35.9	- 3.2	4	0.73	19	- 2	Colmonell	-	-	5	24	-	-	-	-	-
Dumfries	Dumfries	140	p	44	23rd	26	21st	38.4	29.9	34.1	- 5.0	4	0.48	12	- 5	Dumfries	1.8	-	18	5	22	-	-	-	-
	Eskdalemuir	794	t	39	23rd	24	21st	34.9	28.1	31.5	-	-	-	-	-	Eskdalemuir	1.8	-	18	7	24	-	-	-	-
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	46	22nd	33	21, 23	42.6	35.3	38.9	- 1.8	5	0.68	17	- 1	Douglas	2.1	- 0.6	21	2	27	-	-	-	-
2. ENGLAND, N.E.																									
Northumb.	Cockle Park	324	t	42	21, 24	28	21st	38.6	31.4	35.0	- 2.3	5	0.64	16	+ 7	Cockle Park	0.3	- 2.6	3	7	25	-	-	-	-
berland	Tynemouth	118	p	43	23, 24	31	21st	39.0	35.0	37.0	- 2.0	5	0.61	15	+ 8	Tynemouth	-	-	1	29	-	-	-	-	-
Durham	Durham	336	a	40	24th	26	21st	35.3	30.1	32.7	- 5.3	6	0.89	23	+ 16	Durham	0.4	- 2.1	4	5	26	-	-	-	-
York	Rounton	249	p	41	24th	28	21st	36.9	30.3	33.6	- 4.3	5	0.28	7	- 1	Rounton	-	-	7	22	37.4	-	-	-	-
N. Riding	West Witton	605	a	44	24th	25	20, 21	36.6	27.9	32.3	-	6	1.18	30	-	West Witton	-	-	7	22	35.9	-	-	-	-
	Scarborough	118	h	43	22, 24	31	21st	38.7	34.0	36.3	- 3.4	5	0.90	23	+ 14	Scarborough	1.1	- 1.5	11	-	-	-	-	-	-
	York	56	p	40	23, 24	29	21st	36.7	31.3	34.0	- 5.3	5	1.18	30	+ 22	York	0.3	- 1.9	3	-	-	-	-	-	-
E. Riding	Spurn Head	26	t	42	24th	33	21, 24	38.1	34.3	36.2	- 3.0	5	0.88	22	+ 16	Spurn Head	0.6	-	6	-	-	-	-	-	-
Lincoln	Lincoln	58	a	42	23, 24	28	23rd	38.6	30.1	34.3	- 4.8	7	1.52	39	+ 32	Lincoln	-	-	6	28	34.9	-	-	-	-
	Cranwell	237	t	41	24th	27	22nd	35.1	29.7	32.4	- 6.6	6	1.19	30	+ 22	Cranwell	0.6	- 2.3	6	4	17	-	-	-	-
	Skegness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Skegness	0.3	- 2.7	3	-	-	-	-	-	-
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	45	22nd	28	18th	38.9	30.7	34.8	- 4.2	7	0.95	24	+ 18	Cromer	0.6	- 2.6	6	-	-	-	-	-	-
	Yarmouth	13	t	48	23rd	32	18, 19, 22	41.1	33.6	37.3	- 1.4	6	0.89	23	+ 16	Yarmouth	0.8	-	8	-	-	-	-	-	-
	Norwich	93	a	47	24th	30	18, 24	40.3	32.0	36.1	- 3.0	5	0.99	25	+ 17	Norwich	0.7	-	7	4	25	-	-	-	-
	Geldeston	37	a	49	22nd	31	18, 21	41.5	32.3	36.9	- 2.4	6	0.96	24	+ 17	Geldeston	0.9	- 2.0	9	-	-	-	-	-	-
Cambridge	Cambridge	41	p	46	24th	29	22nd	41.0	32.0	36.5	- 2.8	7	0.73	19	+ 13	Cambridge	0.7	- 2.3	7	4	20	-	-	-	-
Hertford	Rothamsted	420	a	45	22, 23	28	22nd	41.0	32.1	36.5	- 2.2	7	0.98	25	+ 16	Rothamsted	0.9	- 1.9	9	4	22	-	-	-	-
Middlesex	Tottenham	51	p	49	24th	31	20th	43.6	34.7	39.1	-	6	0.83	21	-	Tottenham	0.5	-	5	-	-	-	-	-	-
Essex	Clacton-on-Sea	54	t	45	22nd	32	21st	41.6	35.7	38.7	- 0.2	6	0.69	17	+ 11	Clacton-on-Sea	0.8	- 2.5	8	2	27	-	-	-	-
	Southend	90	h	50	22nd	32	21st	43.6	34.3	38.9	-	7	0.66	17	-	Southend	0.9	-	9	1	30	-	-	-	-
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	40	23, 24	26	21st	35.0	28.4	31.7	- 5.8	7	1.67	42	+ 31	Harrogate	0.7	- 2.1	7	5	20	-	-	-	-
W. Riding	Sheffield	429	p	43	23rd	27	21, 22	37.1	29.9	33.5	-	7	1.99	51	+ 39	Sheffield	1.2	- 1.4	11	6	20	-	-	-	-
Derby	Buxton	987	p	40	21, 23	25	21, 22	35.6	27.6	31.6	- 4.2	7	0.95	24	+ 4	Buxton	0.8	-	7	4	25	-	-	-	-
Nottingham	Worksop(HodsckP)	56	a	45	23rd	25	22nd	37.6	28.6	33.1	- 5.7	7	1.57	40	+ 32	Worksop	0.9	- 1.5	9	5	22	-	-	-	-
	Nottingham	82	t	44	23, 24	26	22nd	37.4	31.0	34.2	- 4.5	6	1.21	31	+ 23	Nottingham	0.6	- 1.8	6	3	26	-	-	-	-
Warwick	Birmingham(Edg.)	525	p	48	23rd	30	21st	40.0	32.7	36.3	- 2.8	6	1.37	35	+ 26	Birmingham	0.8	- 1.2	8	3	29	-	-	-	-
Northampton	Raunds	213	a	45	22, 24	30	21, 23	41.7	32.3	37.0	- 1.3	7	1.25	32	+ 24	Raunds	0.5	-	4	3	26	-	-	-	-
Oxford	Oxford	208	p	50	23rd	31	19th	44.0	35.1	39.5	0.0	7	0.77	20	+ 12	Oxford	1.1	- 1.6	11	3					

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week				Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			In.	mm.	mm.						Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.	*F.	*F.	*F.	*F.	*F.	*F.			in.	mm.	mm.		Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.	*F.			
Cardigan	Aberystwyth	16	h	49	18th	30	20th	46.0	37.9	41.9	—	5	0.57	14	—	Aberystwyth	2.5	— 0.5	24	—	—	—	—	—		
Pembroke	St. Ann's Hd.	149	h	49	18, 24	35	23rd	45.9	41.0	43.5	+1.8	6	1.82	46	+22	St. Ann's Hd.	2.6	— 0.5	26	—	—	—	—	—		
Radnor	Rhayader	757	a	47	18th	27	20th	42.9	32.7	37.8	—	7	1.44	37	—	Rhayader	1.2	—	12	7	17	—	—	—		
Glamorgan	Cardiff	202	p	50	18th	30	20th	45.7	36.0	40.9	+1.0	6	1.71	43	+27	Cardiff	2.5	—	25	3	25	42.3	+2.1	45.0	+2.3	
8b. ENGLAND, S.W.																										
Somerset	Bath	66	h	51	18th	34	20th	46.1	37.9	42.0	+1.8	7	1.27	32	+21	Bath	1.9	— 1.2	18	—	—	42.4	—	45.0	—	
Dorset	Shaftesbury	722	a	48	18, 23	30	21st	45.1	34.1	39.6	+1.0	7	1.48	37	+25	Shaftesbury	—	—	—	—	—	41.3	—	44.1	—	
	Portland Bill	19	t	51	18th	38	21st	48.3	41.1	44.7	+2.9	5	1.34	34	+24	Weymouth	2.9	—	28	—	—	—	—	—	—	
Devon	Arlington	613	a	48	18, 24	28	20th	45.3	36.7	41.0	+1.6	6	1.75	44	+24											
	Cullompton	202	a	51	18th	28	20th	48.6	37.1	42.9	+2.4	7	1.97	50	+36	Cullompton	3.3	+0.4	32	4	19	44.3	—	—	—	
	Plymouth	116	p	55	24th	37	20th	50.9	40.9	45.9	+3.7	6	1.66	42	+27	Plymouth	4.6	+1.3	44	0	33	44.5	+1.9	47.0	—	
Cornwall	Newquay	190	h	53	23rd	37	20th	48.1	41.1	44.6	+1.7	6	1.27	32	+19	Newquay	3.7	+0.5	36	—	—	45.9	—	47.7	—	
	Falmouth	167	h	53	23rd	37	23rd	49.1	40.9	45.0	+2.0	6	2.07	53	+34	Falmouth	4.3	+0.8	41	1	29	44.3	—	47.0	—	
9. IRELAND, N.																										
Donegal	Malin Head	71	t	46	19, 22	34	21, 23	43.6	37.3	40.5	— 0.8	5	0.65	17	+3	Malin Head	4.1	—	41	—	—	—	—	—	—	
Mayo	Blacksod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—											
	Mallarany	120	a	51	24th	34	23rd	46.6	37.9	42.3	—	6	1.26	32	—	Mallarany	1.7	—	16	4	26	—	—	—	—	
Sligo	Markree Castle	122	p	49	18, 19	27	20th	46.4	35.0	40.7	0.0	6	0.81	21	+1	Markree Castle	2.0	— 0.5	20	5	24	42.2	+0.8	45.0	+1.6	
Armagh	Armagh	204	p	50	19th	29	23rd	46.0	35.0	40.5	— 0.1	6	0.81	21	+8	Armagh	3.3	+0.8	33	2	23	42.2	+1.8	44.7	+2.0	
Down	Donaghadee	35	t	47	22nd	36	22nd	43.9	40.4	42.1	+0.8	5	0.93	23	+10											
10. IRELAND, S.																										
Dublin	Dublin City	54	p	48	18, 23	32	23rd	46.0	38.1	42.1	— 0.2	5	0.86	22	+10	Trinity Coll.	—	—	—	2	25	43.3	+1.3	46.0	+2.2	
King's County	Birr Castle	175	t	51	24th	29	20th	47.1	35.1	41.1	+0.5	6	0.67	17	+3	Phoenix Park	2.5	— 0.5	25	3	21	—	—	—	—	
Kilkenny	Kilkenny	195	a	51	18, 24	28	23rd	47.1	32.1	39.6	— 1.5	6	0.85	21	+6	Dublin City	—	—	—	2	27	—	—	—	—	
Waterford	Waterford	137	a	52	23rd	30	23rd	48.3	34.6	41.5	— 0.5	6	1.27	32	+13	Birr Castle	3.3	+0.5	32	5	25	—	—	—	—	
	Seskin, Carrick-on-Suir	542	p	50	24th	30	23rd	46.6	35.3	40.9	—	6	1.57	40	—	Seskin	3.3	—	32	3	23	—	—	—	—	
Limerick	Foynes	50	a	51	24th	31	20th	46.7	35.7	41.2	— 1.2	7	1.04	26	+7											
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—	
	Killarney	174	a	53	24th	32	23rd	47.8	35.5	41.7	— 1.2	6	1.62	41	+10	(Valencia O.)	—	—	—	—	—	—	—	—	—	
Cork	Roche's Point	32	t	52	24th	33	23rd	48.0	38.1	43.1	— 0.3	7	1.19	30	+9	Ballinacurra	3.3	0.0	32	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	131	t	51	23rd	40	20, 22	49.0	42.6	45.8	+0.7	7	1.24	31	+17	Scilly	3.1	— 0.2	30	—	—	—	—	—	—	
Guernsey	Grange	173	p	52	18, 23, 24	39	20th	49.7	42.3	46.0	+2.3	7	1.08	27	+14	Grange	3.5	+0.1	34	0	35	45.2	+1.5	47.2	+1.8	
Jersey	St. Aubins	25	t	52	18, 23	40	21, 22	49.9	42.7	46.3	+3.1	7	1.15	29	+16	St. Heliers	4.6	+0.6	44	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, February 24th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed	Mid Time.	Speed	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands Lerwick ...	310	42	†	—	0	18 to 23	111	57	0	0	0	180	35	16	18	10	51	23	18	10	45		
Orkneys **Deerness (Cup Anr.)	188	16	5	18	2	17 to 22	114	45	7	0	0	130	40	18	18	9	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	†	—	0	18, 21, 22	46	66	54	2	0	160	34	15	18	6	47	21	18	8	10		
Edinburgh Edinburch ...	485	39	31	—	0	18, 21	8	44	83	33	0	150	34	15	18	14	51	23	18	14	0		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	24	113	31	0	100	20	9	18	10	43	19	18	7	20		
Dumfries Eskdalemuir ...	825	50	22	—	0	18	4	37	94	33	0	130	28	13	18	3	43	19	18	4	10		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	18	1	18, 21	25	61	54	27	0	160	39	17	18	10	55	25	18	7	55		
York, E.R. Spurn Head ...	67	41	†	18	4	18, 21, 22	34	80	45	5	0	120	40	18	18	7	50	22	18	8	15		
Lincoln Cranwell ...	280	43	31	—	0	—	0	23	(112)	(20)	13	120	20	9	18	7	26	12	18	8	55		
3. ENGLAND, E.																							
Norfolk Gorleston ...	62	42	†	—	0	18, 21, 22, 23	32	48	64	24	0	120	36	16	18	8	45	20	18	12	10		
Essex Shoeburyness...	103	90	†	—	0	18, 21, 22, 23	22	56	80	9	1	130	36	16	18	9	51	23	23	0	10		
5. ENGLAND, S.E.																							
Surrey *Richmond (Kew Obs.)...	82	65	7	—	0	—	0	31	112	25	0	130	18	8	22	17	—	—	—	—	—		
Kent Lympne ...	409	70	†	23	1	22, 23	8	67	91	1	0	230	39	17	23	1	59	26	23	0	25		
Surrey Croydon ...	284	40	24	—	0	—	0	22	129	17	0	210	20	9	22	24	40	18	22	23	20		
Hampshire Petersfield (Stoner Hill)...	611	42	†	—	0	—	0	34	126	8	0	220	21	9	22	23	38	17	22	23	35		
Sussex Brighton ...	261	63	6	—	0	22, 23	6	52	103	7	0	—	34	15	22	24	55	25	22	23	55		
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	96	69	3	0	110	23	10	22	16	44	20	22	15	45		
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	18, 22	10	120	(38)	(0)	0	120	29	13	18	6	45	20	21	11	55		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	18, 21	9	57	94	8	0	120	32	14	18	8	—	—	—	—	—		
Lancashire Southport ...	80	82	48	—	0	18, 21	10	65	86	7	0	120	32	14	18	6	49	22	18	4	45		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	†	18	1	18 to 21	14	78	69	6	0	160	39	17	18	7	54	24	18	7	25		
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	—	0	18 to 24	32	75	47	14	0	—	35	16	23	23	56	25	22	18	15		
Cornwall Pendennis Castle...	256	65	24	22, 23	5	18, 20 to 24	36	68	46	13	0	260	45	20	22	15	60	27	22	16	20		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	18 to 21, 23, 24	22	65	68	13	0	110	34	15	23	24	—	—	—	—	—		
Clare Quilty ...	100	40	†	—	0	18, 20, 23	23	76	49	20	0	—	34	15	18	4	55	24	18	5	50		
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Cork Weaver Pt. ...	160	30	†	—	0	18, 20, 23	14	40	96	18	0	—	36	16	23	21	52	23	23	20	10		
11a. SCILLY ISLES.																							
Scilly St. Mary's	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTH WEEK of 1923—February 18th to February 24th, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	47	25	41.3	33.0	37.1	- 1.3	0	- 6	34	+ 2	3	- 2	0.16	4	- 20	2.5	+ 0.3	26	995
Eastern.																			
1. SCOTLAND, EAST ..	45	24	37.6	31.1	34.3	- 3.3	0	- 7	54	+ 15	4	0	0.30	8	- 5	0.9	- 1.9	9	995
2. ENGLAND, N.E. ..	43	26	37.4	31.8	34.6	- 4.3	0	- 9	52	+ 21	5	+ 1	0.90	23	+ 15	0.5	- 2.2	5	995
3. ENGLAND, EAST ..	49	28	41.1	32.9	37.0	- 2.0	0	- 11	35	+ 3	6	+ 3	0.88	22	+ 15	0.7	- 2.2	7	995
4. MIDLAND COUNTIES ..	50	25	40.2	32.2	36.2	- 2.4	0	- 11	41	+ 6	7	+ 4	1.34	34	+ 25	1.1	- 1.5	11	994
5. ENGLAND, S.E. ..	52	31	45.8	36.1	41.0	+ 0.9	11	- 2	18	- 8	6	+ 3	1.03	26	+ 16	1.6	- 1.4	16	994
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	46	26	40.0	32.0	36.0	- 3.5	0	- 8	42	+ 16	5	+ 1	0.65	17	- 5	—	—	—	995
7. ENGLAND, N.W. (and North Wales) ..	49	27	41.3	33.2	37.3	- 2.4	0	- 10	33	+ 6	5	+ 1	0.63	16	+ 2	1.8	- 0.9	18	993
8. ENGLAND, S.W. (and South Wales) ..	55	27	46.8	37.8	42.3	+ 1.4	14	0	12	- 10	6	+ 2	1.65	42	+ 27	3.0	- 0.1	29	992
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	+ 0.1	26	991
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..	52	39	49.5	42.5	46.0	+ 1.9	28	+ 5	0	- 8	7	+ 3	1.16	29	+ 15	3.7	+ 0.2	36	994
MEAN: DISTRICTS 1-10																			
THE SEASON (Winter).—Aggregates, &c., for the Period of 12 Weeks, December 3rd, 1922, to February 24th, 1923.																			
0. SCOTLAND, NORTH ..	57	21	44.9	37.2	41.1	+ 2.7	114	—	187	—	68	+ 5	17.83	453	+ 62	1.1	0.0	14	1003
Eastern.																			
1. SCOTLAND, EAST ..	57	15	44.2	35.9	40.2	+ 2.7	107	—	260	—	56	+ 7	7.76	199	+ 14	1.4	- 0.2	18	1005
2. ENGLAND, N.E. ..	58	26	45.2	36.9	41.2	+ 2.4	145	—	214	—	47	+ 1	6.68	172	+ 43	1.6	- 0.1	20	1009
3. ENGLAND, EAST ..	60	23	45.9	36.9	41.5	+ 2.8	163	—	199	—	51	+ 3	5.81	148	+ 17	1.8	0.0	21	1013
4. MIDLAND COUNTIES ..	61	22	46.2	36.8	40.8	+ 2.2	171	—	202	—	52	+ 4	9.52	242	+ 86	1.5	- 0.1	18	1012
5. ENGLAND, S.E. ..	56	22	47.1	37.7	42.5	+ 2.3	202	—	159	—	48	+ 2	8.41	214	+ 41	1.9	0.0	22	1014
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	55	20	46.0	37.8	42.0	+ 2.3	174	—	171	—	67	+ 10	14.01	356	+ 23	—	—	—	1007
7. ENGLAND, N.W. (and North Wales) ..	58	24	46.5	38.9	42.8	+ 2.8	194	—	122	—	61	+ 10	10.29	261	+ 44	1.3	- 0.2	15	1010
8. ENGLAND, S.W. (and South Wales) ..	55	24	48.0	39.4	43.8	+ 2.2	252	—	101	—	59	+ 6	14.98	380	+ 107	1.6	- 0.3	19	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5	- 0.1	18	1007
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..	55	32	50.0	43.3	46.8	+ 1.9	405	—	3	—	62	+ 3	11.69	297	+ 64	1.9	- 0.4	21	1015
MEAN: DISTRICTS 1-10..																			
THE YEAR. Aggregates, &c., for the Period of 8 Weeks, December 31st, 1922, to February 24th, 1923.																			
0. SCOTLAND, NORTH ..	54	25	45.0	37.3	41.3	+ 3.2	80	+ 32	121	- 151	45	+ 4	11.96	304	+ 53	1.2	- 0.1	15	1004
Eastern.																			
1. SCOTLAND, EAST ..	56	20	44.1	36.2	40.3	+ 3.0	76	+ 26	175	- 140	39	+ 7	5.41	139	+ 25	1.6	- 0.2	19	1007
2. ENGLAND, N.E. ..	58	26	45.1	36.8	41.1	+ 2.6	103	+ 43	155	- 103	31	+ 1	3.91	101	+ 24	1.8	- 0.1	21	1011
3. ENGLAND, EAST ..	60	23	45.9	36.5	41.3	+ 3.0	112	+ 44	149	- 128	35	+ 4	3.89	99	+ 20	1.9	- 0.2	22	1014
4. MIDLAND COUNTIES ..	61	22	46.1	36.4	41.4	+ 3.1	117	+ 43	152	- 132	35	+ 4	5.90	150	+ 56	1.6	- 0.2	19	1013
5. ENGLAND, S.E. ..	56	22	47.1	37.2	42.3	+ 2.6	138	+ 49	121	- 97	34	+ 4	5.15	131	+ 30	2.0	- 0.1	23	1015
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	54	20	45.9	37.6	41.9	+ 2.5	117	+ 49	125	- 90	45	+ 7	9.48	241	+ 37	—	—	—	1009
7. ENGLAND, N.W. (and North Wales) ..	57	24	46.4	38.8	42.7	+ 3.1	131	+ 58	92	- 118	41	+ 8	5.91	151	+ 19	1.5	- 0.3	17	1012
8. ENGLAND, S.W. (and South Wales) ..	55	24	48.0	39.2	43.7	+ 2.7	168	+ 56	76	- 91	40	+ 6	9.34	238	+ 81	1.9	- 0.2	21	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.8	0.0	21	1008
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..	55	32	49.9	43.0	46.6	+ 2.4	261	+ 73	3	- 63	42	+ 4	6.34	161	+ 27	2.2	- 0.3	24	1016
MEAN: DISTRICTS 1-10 ..																			
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
2nd March, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses: IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

NINTH WEEK.

SUNDAY, FEBRUARY 25TH, TO SATURDAY, MARCH 3RD, 1923.

FORTY-SIXTH YEAR. } No. 9.
Vol. XL. (New Series) }Price 9d. Net. Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

During the week low pressure systems passed across our islands in an easterly direction causing strong south-easterly and south-westerly gales to be experienced in several places. In a very deep depression, the centre of which was situated over Ireland on Monday, a pressure reading as low as 951mb. was recorded at Birr Castle (King's County) at 18h. Thunderstorms occurred in many parts of the country, and at Ross-on-Wye during a thunderstorm on Monday, which was accompanied by a "Line-squall" there was a drop in temperature of 13°F. Hail occurred at a number of places in various parts of the country and at one or two of our northern stations snow was reported. The total amount of precipitation (rain, hail or snow) for the week was below the normal in Scotland N., but in other districts it was above. Amongst the largest amounts recorded were:—32mm. at Waterford, 28mm. at Guernsey, 26mm. at Seskin (Carrick-on-Suir), 24mm. at Falmouth on February 25th, 30mm. at Rhayader (Radnor), 29mm. at Crathes (Kincardine), 25mm. at Gordon Castle (Elgin), 23mm. at Colmonell (Ayr) and Ford (Argyll), 22mm. at Burnley on the 26th, and 27mm. at Buxton and 22mm. at Balmoral on the 27th. Mean temperature for the week was above the normal in all districts, the greatest excess being in the eastern and south-eastern parts of England. Temperature during the week rose

to 55°F. or slightly above in several places, the highest readings 57°F. occurring in London and at Torquay. The lowest of the screen minimum readings, 30°F., were registered at Balmoral and Inverness on February 26th, while ground frosts occurred in most places. There were several records of between 8 and 9 hours sunshine obtained towards the end of the week, notably in the southern and south-eastern parts of England. The mean amount of sunshine for the week was below the normal in the northern parts of the country but in most of the southern districts it was above. The departure of the mean duration from the normal for the week ranged from +1.5 hours at Falmouth to -2.7 hours at Aberdeen and Crathes. Solar and lunar halos were observed at a large number of stations in various parts of the country. A sun pillar was seen at Oxford on February 25th and a parhelion on February 25th and March 2nd. On the latter date a lunar halo of 22° was seen in the evening about 21h accompanied by the upper arc of contact as well as by paraselenæ and a portion of the 46° halo.

As will be seen from the table on page 40 the mean temperature for the winter season was above the normal in all parts of the British Isles. The rainfall may be classified as heavy and the sunshine moderate.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	22	8	3.7	14	9	4.0	21	11	4.8	23	10	4.5	22	14	6.2	11	13	5.7	26	13	5.9	—	—	—
North	3	5	2.1	5	5	2.2	1	3	1.2	0	—	—	3	19	8.6	8	13	6.0	2	10	4.6	—	—	—
West	0	—	—	4	8	3.5	16	7	3.2	21	10	4.4	22	18	8.0	24	28	12.4	22	21	9.2	—	—	—
East	28	21	9.5	14	8	3.5	5	7	3.2	2	4	1.7	4	11	4.7	1	8	3.4	4	10	4.6	—	—	—
Calm (or wind- speed < 4 m.p.h.)	0	—	—	9	—	—	5	—	—	5	—	—	1	—	—	0	—	—	0	—	—	—	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual." &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	—	—	Unusual	
	Rainfall ..	Moderate	Very Heavy	Very Heavy	Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Very Heavy	—	—	Very Heavy	
	Sunshine ..	Very Scanty	Very Scanty	Moderate	Moderate	Moderate	Abundant	—	Scanty	Moderate	Moderate	—	Moderate	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 13 weeks from Dec. 3rd, 1922.	Warmth ..	7, 6, 0	7, 5, 1	8, 4, 1	9, 4, 0	10, 2, 1	5, 8, 0	5, 7, 1	9, 3, 1	5, 8, 0	—	—	5, 8, 0
	Rainfall ..	4, 7, 2	8, 1, 4	6, 4, 3	7, 3, 3	7, 2, 4	7, 1, 5	7, 4, 2	7, 3, 3	7, 2, 4	—	—	7, 2, 4
	Sunshine ..	5, 6, 2	4, 6, 3	5, 5, 3	4, 6, 3	4, 4, 5	7, 3, 3	—	5, 1, 7	3, 6, 4	3, 6, 4	—	1, 7, 5

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

38

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.							
			Highest	Date	Lowest	Date	Mean for the Week				No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.			
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean	Deviation from Normal								Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	42	2, 3	31	27th	39.7	34.1	36.9	-0.8	6	0.68	17	0	Lerwick	0.7	—	—	—	—	—	—	—	
Orkneys	Deerness	160	p	44	3rd	35	26, 2	40.9	36.1	38.5	+0.3	7	0.70	18	+3	Deerness	0.3	-2.2	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	47	3rd	36	26th	43.4	38.6	41.0	+2.3	5	1.12	28	+5	Stornoway	0.5	-2.1	—	—	—	—	—	—	
	Castlebay	37	t	48	27th	40	1st	45.4	41.6	43.5	—	5	0.34	9	—	Castlebay	1.4	—	—	—	—	—	—	—	
Caitness	Wick	81	t	44	3rd	—	—	40.9	—	—	—	7	0.99	25	+13		—	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	a	45	3rd	31	26th	41.6	35.5	38.5	+0.7	5	0.65	17	+3		—	—	—	—	—	—	—	—	
Inverness	Achnashellach	225	h	46	2nd	34	26th	43.3	37.3	40.3	—	5	0.76	19	—	Achnashellach	—	—	—	—	—	—	—	—	
	Inverness	242	h	47	3rd	30	26th	43.3	35.0	39.1	—	4	0.41	10	—	Inverness	0.3	—	—	—	—	—	—	—	
	Fort Augustus	68	a	46	26th	33	26th	43.6	38.4	41.0	+3.0	4	0.20	5	-16		—	—	—	—	—	—	—	—	
	Fort William	171	p	49	2nd	34	26th	45.7	37.9	41.8	+2.8	7	0.41	10	-28		—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	45	2, 3	32	26th	42.6	36.0	39.3	+1.6	6	0.43	11	0	Nairn	0.4	—	—	—	—	—	—	—	
Elgin	Gordon Castle	101	p	45	2nd	33	3rd	41.7	35.3	38.5	0.0	7	1.91	49	+37	Gordon Castle	0.2	—	—	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	45	2nd	36	25, 1	41.9	38.1	40.0	—	7	2.07	53	+40	Aberdeen	0.2	-2.7	—	—	—	—	—	—	
	Balmoral	930	a	41	2, 3	30	26th	38.4	32.4	35.4	+1.0	7	2.16	55	+39	Balmoral	—	—	—	—	—	—	—	—	
Perth	Crieff	478	a	46	3rd	32	25th	42.0	36.1	39.1	+0.9	7	1.80	46	+27	Perth	0.3	-2.7	—	—	—	—	—	—	
Forfar	Dundee	147	a	46	2nd	35	26th	43.4	37.0	40.2	—	7	1.91	49	—	Dundee	0.2	—	—	—	—	—	—	—	
Pife	Inchkeith	190	t	47	2nd	37	25, 26	43.7	38.7	40.7	—	7	1.05	27	—	Inchkeith	0.8	—	—	—	—	—	—	—	
Midlothian	Edinburgh	441	p	46	2nd	35	26th	42.4	37.1	39.7	+1.4	7	1.05	27	+17	Edinburgh	0.9	-2.1	—	—	—	—	—	—	
Peebles	West Linton	770	a	47	3rd	32	26th	43.1	36.0	39.5	+4.2	7	1.56	40	—	West Linton	—	—	—	—	—	—	—	—	
Berwick	Marchmont	498	a	47	2nd	31	26th	42.3	35.6	38.9	+1.6	7	1.87	47	+33	Marchmont	0.7	-1.9	—	—	—	—	—	—	
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	48	3rd	35	25, 26, 2	43.9	36.7	40.3	—	5	2.11	53	—	Ford	—	—	—	—	—	—	—	—	
Renfrew	Renfrew	49	t	47	3rd	34	26th	44.3	37.9	41.1	—	7	1.50	38	—	Renfrew	0.6	—	—	—	—	—	—	—	
Bute	Rothsay	200	p	47	3rd	35	25, 26	43.9	37.1	40.5	+0.5	7	1.86	47	+26	Rothsay	0.5	—	—	—	—	—	—	—	
Ayr	Kilmarnock	90	a	48	26, 1, 3	35	25, 26	46.3	37.4	41.9	+3.1	6	1.06	27	+11	Kilmarnock	0.4	—	—	—	—	—	—	—	
	Colmonell	170	a	51	1, 2	35	26th	47.7	38.9	43.3	+4.0	6	1.63	41	+21	Colmonell	—	—	—	—	—	—	—	—	
Dumfries	Dumfries	140	p	47	26th	35	26th	44.9	38.6	41.7	+2.5	7	1.83	46	+30	Dumfries	0.2	—	—	—	—	—	—	—	
	Eskdalemuir	794	t	44	26th	34	25, 26	41.4	36.1	38.7	—	7	1.91	49	—	Eskdalemuir	0.1	—	—	—	—	—	—	—	
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	49	26, 28, 1	38	26	47.7	40.4	44.1	+3.5	7	1.46	37	+20	Douglas	2.2	-1.0	—	—	—	—	—	—	
2. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	49	3rd	31	26th	44.6	36.9	40.7	+3.2	7	1.74	44	+29	Cockle Park	1.1	-2.6	—	—	—	—	—	—	
Durham	Tynemouth	118	t	47	2nd	36	26th	44.4	39.3	41.9	+2.7	5	1.36	35	+23	Tynemouth	—	—	—	—	—	—	—	—	
Durham	Durham	336	p	47	2nd	34	26, 27	44.3	35.9	40.1	+1.8	7	1.22	31	+19	Durham	1.1	-1.6	—	—	—	—	—	—	
York	Rounton	249	p	49	2nd	35	3rd	45.3	37.4	41.3	+3.1	7	1.22	31	+19	Rounton	—	—	—	—	—	—	—	—	
N. Riding	West Witton	605	a	48	3rd	34	26, 27	46.0	36.7	41.3	—	7	1.97	50	—	West Witton	—	—	—	—	—	—	—	—	
	Scarborough	118	h	52	28th	35	3rd	47.3	39.6	43.6	+8.6	5	0.58	15	+2	Scarborough	2.7	-0.2	—	—	—	—	—	—	
	York	56	p	52	26th	34	3rd	48.6	39.6	44.1	+4.5	6	0.81	21	+9	York	2.0	-0.3	—	—	—	—	—	—	
E. Riding	Spurn Head	26	t	52	3rd	35	3rd	46.3	39.0	42.7	+3.3	5	0.74	19	+9	Spurn Head	2.6	—	—	—	—	—	—	—	
Lincoln	Lincoln	58	a	53	26th	35	3rd	49.9	39.6	44.7	+5.2	6	0.84	21	+10	Lincoln	—	—	—	—	—	—	—	—	
	Cranwell	237	t	53	26th	34	3rd	49.3	38.4	43.9	+4.5	6	0.61	15	+3	Cranwell	3.7	+0.7	—	—	—	—	—	—	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	4.1	+0.9	—	—	—	—	—	—
Norfolk	Cromer	196	a	53	26th	35	3rd	50.0	39.0	44.5	+5.2	6	0.53	13	+4	Cromer	3.8	+0.7	—	—	—	—	—	—	
	Yarmouth	13	t	54	26th	36	3rd	49.1	40.3	44.7	+5.8	5	0.95	24	+14	Yarmouth	3.7	—	—	—	—	—	—	—	
	Norwich	93	a	53	26th	33	3rd	49.9	40.3	45.1	+5.6	6	1.11	28	+16	Norwich	3.4	—	—	—	—	—	—	—	
	Geledeston	37	a	56	26th	34	3rd	51.5	40.0	45.7	+6.1	4	0.75	19	+9	Geledeston	3.4	+0.5	—	—	—	—	—	—	
Cambridge	Cambridge	41	p	—	—	32	3rd	—	38.3	—	—	6	0.45	11	+2	Cambridge	3.5	+0.5	—	—	—	—	—	—	
Hertford	Rothamsted	420	a	54	26th	31	3rd	49.9	38.3	44.1	+5.1	6	0.83	21	+8	Rothamsted	3.0	+0.2	—	—	—	—	—	—	
Middlesex	Tottenham	51	p	53	2nd	35	3rd	51.0	42.3	46.7	—	4	0.48	12	—	Tottenham	3.0	—	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	52	26, 28, 2	39	3rd	50.1	41.6	45.9	+6.8	4	0.64	16	+7	Clacton-on-Sea	4.5	+1.3	—	—	—	—	—	—	
	Southend	90	h	56	3rd	37	3rd	51.6	40.6	46.1	—	5	0.43	11	—	Southend	4.0	—	—	—	—	—	—	—	
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	50	26th	33	25, 3	45.9	36.1	41.0	+2.8	6	1.39	35	+20	Harrogate	2.7	-0.2	—	—	—	—	—	—	
W. Riding	Sheffield	429	p	53	26th	36	3rd	48.7	38.9	43.8	—	7	1.81	46	+30	Sheffield	3.0	+0.5	—	—	—	—	—	—	
Derby	Buxton	987	p	51	28th	34	3rd	45.6	36.1	40.9	+4.3	7	3.03	77	+51	Buxton	2.1	—	—	—	—	—	—	—	
Nottingham	Worksop (HodsckP)	56	a	55	26th	33	25, 3	50.7	37.6	44.1	+4.4	6	0.77	20	+10	Worksop	2.7	+0.3	—	—	—	—	—	—	
	Nottingham	82	t	54	26th	33	3rd	49.6	40.1	44.9	+5.4	6	0.77	19	+9	Nottingham	2.5	0.0	—	—	—	—	—	—	
Warwick	Birmingham (Edg.)	525	p	53	26th	33	3rd	49.7	39.4	44.5	+5.1	6	1.46	37	+25	Birmingham	2.9	+0.8	—	—	—	—	—	—	
Northampton	Raunds	213	a	55	26th	31	3rd	51.3	39.4	45.3	+6.0	5	0.80	20	+10	Raunds	3.4	—	—	—	—	—	—	—	
Oxford	Oxford	208	p	56	26th	33	3rd																		

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.						mm.	Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean
8a. SOUTH WALES.		Fl.		*F.		*F.		*P.	*F.	*F.	*P.								*F.	*F.	*F.	*F.	*F.	*P.	
Cardigan	Aberystwyth	16	h	50	25, 26	43	1, 3	48.4	44.0	46.2	—	7	1.01	26	—	Aberystwyth	2.8	- 0.1	26	—	—	—	—	—	
Pembroke	St. Ann's Hd.	149	t	49	25, 26, 1	39	3rd	48.1	43.7	45.9	+4.0	6	1.60	41	+24	St. Ann's Hd.	3.2	0.0	30	—	—	—	—	—	
Radnor	Rhayader	757	a	48	25, 26, 2	35	3rd	46.4	39.6	43.0	—	7	3.69	94	—	Rhayader	2.8	—	26	1	27	—	—	—	
Glamorgan	Cardiff	202	p	53	26th	38	3rd	50.1	42.1	46.1	+5.7	7	2.27	58	+38	Cardiff	3.8	—	35	0	31	43.9	+3.2	44.9	+2.0
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	56	26th	32	3rd	51.6	41.6	46.6	+5.9	7	1.40	36	+22	Bath	3.8	+0.8	35	—	—	44.2	—	44.8	—
Dorset	Shaftesbury	722	a	51	25, 26, 3	36	3rd	49.6	39.6	44.6	+5.4	7	1.19	30	+15	Shaftesbury	—	—	—	—	—	43.0	—	43.9	—
	Portland Bill	19	t	52	26th	42	28th	50.7	43.3	47.0	+4.9	7	1.58	40	+28	Weymouth	4.6	—	42	—	—	—	—	—	—
Devon	Arlington	613	a	51	25th	35	3rd	48.3	40.4	44.3	+4.4	7	2.65	67	+41										
	Cullompton	202	a	55	25, 1	33	3rd	53.0	41.9	47.5	+6.5	6	1.68	43	+25	Cullompton	3.3	+0.4	30	1	25	45.1	—	—	—
	Plymouth	116	p	55	25th	40	3rd	52.4	43.1	47.7	+5.1	7	2.25	57	+38	Plymouth	3.6	+0.3	33	0	35	45.2	+3.1	47.0	—
Cornwall	Newquay	190	h	53	25th	41	3rd	50.9	43.9	47.4	+4.2	7	1.37	35	+19	Newquay	3.4	+0.1	31	—	—	46.4	—	47.4	—
	Falmouth	167	h	53	25, 2	40	3rd	51.9	43.3	47.6	+4.4	7	2.05	52	+28	Falmouth	4.9	+1.5	45	0	37	45.5	—	46.9	—
9. IRELAND, N.																									
Donegal	Malin Head	71	t	49	25, 26, 1	36	26th	47.0	40.9	43.9	+2.5	7	1.56	40	+25	Malin Head	2.2	—	21	—	—	—	—	—	—
Mayo	Blacksod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallarany	120	a	51	25, 28	39	2nd	49.1	41.1	45.1	—	7	1.89	48	—	Mallarany	2.8	—	26	0	33	—	—	—	—
Sligo	Markree Castle	122	p	50	25, 28, 3	36	2nd	48.9	39.4	44.1	+3.1	7	1.61	41	+19	Markree Castle	2.5	0.0	24	0	34	43.4	+1.5	44.9	+1.4
Armagh	Armagh	204	p	50	25, 1, 3	39	25, 2, 3	48.7	40.0	44.3	+3.4	7	1.01	26	+11	Armagh	2.5	0.0	23	0	33	42.8	+2.1	44.3	+1.5
Down	Donaghadee	35	t	51	25, 28	39	26, 2	49.1	41.6	45.3	+3.8	7	1.26	32	+18										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	52	25th	37	2nd	49.0	41.4	45.2	+2.4	6	1.06	27	+15	Trinity Coll.	—	—	—	0	34	44.6	+2.4	46.0	+2.0
King's County	Birr Castle	175	t	—	—	—	—	—	—	—	—	—	—	—	—	Phoenix Park	3.9	+0.9	36	0	32	—	—	—	—
Kilkenny	Kilkenny	105	a	53	25th	35	3rd	49.6	39.0	44.3	+2.8	7	2.03	52	+37	Dublin City	—	—	—	0	33	—	—	—	—
Waterford	Waterford	137	a	52	25th	37	3rd	50.1	40.3	45.2	+2.7	6	2.33	59	+41	Birr Castle	—	—	—	—	—	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	50	25th	37	28th	49.1	38.7	43.9	—	6	2.56	65	—	Seskin	4.6	—	42	0	31	—	—	—	—
Limerick	Foynes	50	a	51	25, 26	39	1st	49.7	41.0	45.3	+2.4	7	2.08	53	+34										
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—
	Killarney	174	a	—	—	—	—	—	—	—	—	—	—	—	—	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	3.0	- 0.3	27	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	52	25, 1, 2	41	3rd	51.4	44.6	48.0	+3.0	7	1.26	32	+17	Scilly	4.0	+0.4	37	—	—	—	—	—	—
Guernsey	Grange	173	p	55	26th	42	3rd	52.7	44.4	48.5	+4.6	7	2.78	71	+56	Grange	4.7	+0.9	43	0	37	46.8	+2.8	47.1	+1.6
Jersey	St. Aubins	25	t	55	26th	42	27, 2	52.6	44.9	48.7	+5.3	7	1.85	47	+32	St. Heliers	4.0	+0.2	37	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 3rd, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ::								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr	hr	hr	hr.										
Shetlands	310	42	†	26, 27	20	25 to 28, 2, 3	47	95	6	0	0	120	43	19	26 24	60	27	27	6 35		
Orkneys	188	16	5	26, 27	4	25 to 28, 2	77	61	26	0	0	100	40	18	27 9	—	—	—	—		
1. SCOTLAND, E.																					
Aberdeen	72	42	†	26	7	25, 26, 27	45	51	50	15	0	110	43	19	26 18 19	61	27	26	17 50		
Edinburgh	485	39	31	—	0	26	39	40	75	50	0	130	25	11	26 11	40	18	26	12 15		
6a. SCOTLAND, W.																					
Renfrew	188	81	15	—	0	—	0	38	92	38	0	120	20	9	26 12	40	18	26	12 25		
Dumfries	825	50	22	—	0	26, 27	10	48	60	50	0	110	33	15	26 11	49	22	26	11 40		
2. ENGLAND, N.E.																					
Durham	72	61	12	—	0	26, 27	14	57	80	17	0	150	36	16	26 12	51	23	26	12 0		
York, E.R.	67	41	†	—	0	26, 27, 28, 2	31	88	42	7	0	180	34	15	27 11	63	28	26	18 5		
Lincoln	280	43	31	—	0	26, 27	11	79	(76)	(2)	0	180	29	13	27 10	40	18	26	17 20		
3. ENGLAND, E																					
Norfolk	52	42	†	—	0	26, 27	14	64	65	25	0	150	30	14	26 10	42	19	27	13 30		
Essex	103	90	†	—	0	26, 27	24	81	28	35	0	210	36	16	27 2	51	23	27	2 20		
5. ENGLAND, S.E																					
Surrey	82	65	7	—	0	26, 27	2	85	66	15	0	220	25	11	27 10	48	21	26	21 35		
Kent	409	70	†	—	0	26, 27, 28, 2	42	62	38	26	0	220	38	17	27 13	62	26	27	15 30		
Surrey	284	40	24	—	0	27	2	91	56	19	0	220	25	11	27 10 13	45	20	27	12 35		
Hampshire	811	42	†	—	0	26, 27	3	94	60	11	0	230	26	12	26 11	46	21	27	11 5		
Sussex	261	53	6	—	0	27	8	84	48	28	0	—	27	12	27 20	45	20	27	16 30		
Hampshire	444	160	—	—	0	26 to 2	60	66	28	12	2	240 210	35	16	26 12 24	65	29	27	0 20		
Wiltshire	513	63	43	26, 27	2	26 to 2	69	67	(28)	(0)	2	230	40	18	26 15	63	28	26	17 25		
7a. ENGLAND, N.W.																					
Lancashire	109	44	—	—	0	26, 27, 28, 2	21	99	48	0	0	150	37	17	26 23	—	—	—	—		
Lancashire	80	62	48	—	0	26 to 2	59	75	34	0	0	270	36	16	28 2	54	24	26	19 50		
7b. NORTH WALES.																					
Anglesey	†4	45	†	26, 3	4	26 to 3	82	67	13	2	0	180 320	41	18	26 18 3 14	67	30	26	17 20		
8b. ENGLAND, S.W.																					
Devon	185	88	2	26	7	25 to 3	55	68	30	8	0	—	39	17	26 20	69	31	26	15 45		
Cornwall	256	65	24	26, 27, 1	30	25 to 2	54	61	16	0	7	230	50	22	26 14	81	36	26	15 45		
10. IRELAND, S																					
Dublin	49	27	—	26, 27, 2, 1, 2	5	26 to 3	84	57	20	2	0	130	40	18	26 4	—	—	—	—		
Clare	100	40	†	—	3	25 to 3	86	61	18	0	0	—	43	19	1 24	66	29	—	2 5 20		
Kerry	98	41	†	26, 27	13	26 to 3	56	84	14	1	0	260	51	23	26 17	81	36	26	18 40		
Cork	180	30	†	26	15	26, 27, 1 to 3	38	78	36	1	0	—	53	24	26 14	82	37	26	14 5		
11a. SCILLY ISLES.																					
Scilly	150	32	†	26, 27	31	25 to 3	66	62	9	0	0	250	47	21	26 17	76	34	26	17 20		

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
Cup Anemometer. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINTH WEEK of 1923—February 25th to March 3rd, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal									Below 42°
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		49	31	42.9	37.0	39.9	+1.8	3	-3	17	-17	6	+1	0.69	17	-7	0.4	-2.0	4	989
Eastern.																				
1. SCOTLAND, EAST ..		47	30	41.8	36.0	38.9	+1.4	0	-7	22	-16	7	+3	1.61	41	+28	0.5	-2.3	4	987
2. ENGLAND, N.E. ..		53	31	46.7	38.4	42.5	+3.4	14	+4	10	-20	6	+2	1.01	26	+14	2.5	-0.4	23	988
3. ENGLAND, EAST ..		56	31	50.2	40.3	45.2	+5.9	27	+14	5	-27	5	+1	0.72	18	+8	3.6	+0.7	33	993
4. MIDLAND COUNTIES ..		56	31	49.7	39.2	44.4	+5.0	25	+11	8	-24	6	+2	1.30	33	+21	3.2	+0.5	30	990
5. ENGLAND, S.E. ..		56	31	51.4	41.3	46.3	+5.9	32	+17	2	-25	6	+2	1.06	27	+14	3.9	+0.8	36	993
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		51	34	45.5	38.1	41.8	+2.3	10	+1	11	-16	6	+2	1.63	41	+20	—	—	—	985
7. ENGLAND, N.W. (and North Wales) ..		54	35	48.4	40.6	44.5	+4.6	21	+10	4	-22	7	+3	1.39	35	+19	1.8	-1.0	17	986
8. ENGLAND, S.W. (and South Wales) ..		56	32	50.2	41.9	46.0	+4.6	28	+12	0	-21	7	+3	2.04	52	+32	3.5	+0.4	32	991
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.5	0.0	23	982
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	41	52.2	44.6	48.4	+4.3	45	+22	0	-8	7	+3	1.96	50	+34	4.2	+0.5	39	995
MEAN: DISTRICTS 1-10																				

THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, December 3rd, 1922, to March 3rd 1923.																				
0. SCOTLAND, NORTH ..		57	21	44.7	37.2	41.0	+2.7	117	—	204	—	74	+6	18.52	470	+55	1.0	-0.2	13	1002
Eastern.																				
1. SCOTLAND, EAST ..		57	15	44.0	35.9	40.1	+2.6	107	—	282	—	63	+10	9.37	240	+42	1.4	-0.3	17	1004
2. ENGLAND, N.E. ..		58	26	45.3	37.0	41.3	+2.5	159	—	224	—	53	+3	7.69	198	+57	1.7	0.0	20	1008
3. ENGLAND, EAST ..		60	23	46.3	37.1	41.8	+3.1	190	—	204	—	56	+4	6.53	166	+25	1.9	0.0	22	1011
4. MIDLAND COUNTIES ..		61	22	46.4	37.0	41.8	+3.2	196	—	210	—	58	+6	10.82	275	+107	1.6	-0.1	19	1010
5. ENGLAND, S.E. ..		56	22	47.4	37.9	42.8	+2.6	234	—	161	—	54	+4	9.47	241	+55	2.0	0.0	23	1012
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		55	20	46.0	37.9	42.0	+2.3	184	—	182	—	73	+12	15.64	397	+43	—	—	—	1005
7. ENGLAND, N.W. (and North Wales) ..		58	24	46.7	39.0	43.0	+3.0	215	—	126	—	68	+13	11.68	296	+63	1.3	-0.3	15	1008
8. ENGLAND, S.W. (and South Wales) ..		56	24	48.2	39.6	44.0	+2.4	280	—	101	—	66	+9	17.02	432	+139	1.8	-0.1	20	1011
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6	0.0	19	1005
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	32	50.2	43.4	46.9	+2.1	450	—	3	—	69	+6	13.65	347	+98	2.0	-0.4	23	1013
MEAN: DISTRICTS 1-10..																				

THE YEAR. Aggregates, &c., for the Period of 9 Weeks, December 31st, 1922, to March 3rd, 1923.																				
0. SCOTLAND, NORTH ..		54	25	44.8	37.3	41.1	+3.0	83	+29	138	-168	51	+5	12.65	321	+46	1.1	-0.3	13	1002
Eastern.																				
1. SCOTLAND, EAST ..		56	20	43.9	36.2	40.1	+2.8	76	+19	197	-156	46	+10	7.02	180	+53	1.5	-0.5	17	1004
2. ENGLAND, N.E. ..		58	26	45.3	37.0	41.2	+2.7	117	+47	165	-123	37	+3	4.92	127	+38	1.9	-0.1	21	1008
3. ENGLAND, EAST ..		60	23	46.4	36.9	41.7	+3.3	139	+58	154	-155	40	+5	4.61	117	+28	2.1	-0.1	23	1011
4. MIDLAND COUNTIES ..		61	22	46.5	36.7	41.7	+3.3	142	+54	160	-156	41	+6	7.20	183	+77	1.8	-0.1	20	1011
5. ENGLAND, S.E. ..		56	22	47.6	37.6	42.7	+2.9	170	+66	123	-122	40	+6	6.21	158	+44	2.2	0.0	24	1012
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		54	20	45.9	37.6	41.8	+2.4	127	+50	136	-106	51	+9	11.11	282	+57	—	—	—	1006
7. ENGLAND, N.W. (and North Wales) ..		57	24	46.6	39.0	42.9	+3.3	152	+68	96	-140	48	+11	7.30	186	+38	1.5	-0.4	17	1009
8. ENGLAND, S.W. (and South Wales) ..		56	24	48.2	39.5	43.9	+2.8	196	+68	76	-112	47	+9	11.38	290	+113	2.1	-0.1	22	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	+0.1	21	1005
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		55	32	50.2	43.2	46.8	+2.6	306	+95	3	-71	49	+7	8.30	211	+61	2.4	-0.3	26	1014
MEAN: DISTRICTS 1-10 ..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
9th March, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Forty-Sixth Year. } No. 10.
Vol. XL. (New Series) }

TENTH WEEK.

SUNDAY, MARCH 4TH, TO SATURDAY, MARCH 10TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

The general character of the weather during the week was cloudy and unsettled, showers of rain, alternating with bright intervals; in some places hail or slight snow occurred and there were thunderstorms in several places, generally on the 7th and 8th. The total amount of rainfall for the week was below the normal in all districts with the exception of England E., where it was in excess. Amongst the heaviest falls were:—15mm. at Cahirciveen (Valencia Obs.) on the 4th and Rothesay (Bute) on the 6th, 16mm. at Cromer on the 7th and 30mm. at Valencia on the 10th, while at Fort William there were falls of 17mm. and 20mm. on the 5th and 6th respectively. The highest temperatures of the week occurred on various dates; at a large number of stations maximum readings above 50°F. were recorded, the highest being 57°F. at Waterford on the 5th. There were no exceptionally low screen minimum temperatures, the lowest being 26°F. at South Farnborough on the 5th. Ground frosts were registered at practically all stations and at one or two places grass minimum temperatures round about 20°F. were obtained.

The mean temperature for the week was above the normal in all districts, the greatest excess, about 3°F., occurring in Scotland N. Several records of between 8 and 9 hours sunshine were registered on various days during the week, notably in the southern and south-eastern parts of England. Amongst the largest amounts recorded were:—9·3 hours at Eastbourne and 9·2 hours at St. Leonards on the 4th, 9·5 hours at Castlebay and 9·0 hours at the two Pembrokeshire stations, St. Ann's Head and Tenby, on the 8th. The mean amount of sunshine for the week was above the normal in Ireland and Scotland N., but in most of the English districts it was well below. The departure of the mean duration from the normal for the week ranged from +1·8 hours at Scilly to -3·0 hours at Scarborough and at Cranwell. Solar halos were observed at Oxford on the 5th and 6th and at Armagh on the 10th. A lunar halo was seen at Dublin on the 4th. The Zodiacal Light was witnessed at Oxford on the 5th and 6th, at Ross-on-Wye and at Wadhurst (near Tunbridge Wells) on the 6th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	11	12	5·3	12	10	4·4	10	6	2·8	8	7	2·9	13	11	4·7	8	12	5·4	19	10	4·6	13	13	5·7
North	11	11	5·0	8	6	2·8	11	12	5·2	15	9	3·8	13	13	5·8	16	15	6·7	8	8	3·5	11	8	3·4
West	6	7	3·0	12	11	5·1	8	6	2·6	13	5	2·4	16	11	4·9	13	18	8·0	16	16	7·0	14	13	5·6
East	14	8	3·7	6	5	2·2	12	9	4·2	8	3	1·2	11	8	3·4	9	11	4·9	10	8	3·4	11	9	3·8
Calm (or wind- speed < 4 m.p.h.)	2	—	—	7	—	—	5	—	—	4	—	—	1	—	—	1	—	—	0	—	—	3	—	—
No record ...	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Light	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Light	—	—	Moderate
	Sunshine ..	Moderate	Scanty	Very Scanty	Very Scanty	Very Scanty	Scanty	—	Scanty	Moderate	Abundant	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 1 week from March 4th, 1923.	Warmth ..	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0	—	—	0, 1, 0
		0, 0, 1	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	—	—	0, 1, 0
		0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	—	0, 0, 1	0, 1, 0	1, 0, 0	—	0, 1, 0

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp 1-4 of the present volume.

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DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	46	4th	34	10th	44.0	37.9	40.9	+3.2	6	0.59	15	-6	Lerwick	..	2.7	—	25	—	—	—	—	—
Orkneys	Deerness	160	p	46	6th	36	4, 10	44.0	37.9	40.9	+2.7	6	0.24	6	-13	Deerness	..	1.8	-1.0	16	—	—	—	—	—
Hebrides	Stornoway	51	t	50	7th	30	9th	46.6	36.3	41.3	+2.5	5	0.33	8	-20	Stornoway	..	4.3	+1.4	39	—	—	—	—	—
	Castlebay	37	t	50	7th	40	4, 8, 9	46.6	41.9	44.2	—	5	0.57	15	—	Castlebay	..	5.4	—	49	—	—	—	—	—
Caithness	Wick	81	t	47	4th	36	4th	44.1	38.9	41.4	+3.2	3	0.18	5	-10										
Ross and Cromarty	Strathpeffer	125	a	50	7th	33	9th	46.6	35.7	41.0	+2.9	2	0.09	2	-16										
Inverness	Achnashellach	225	a	51	7th	33	9, 10	46.9	35.7	41.1	—	4	0.80	20	—	Achnashellach	..	—	—	—	—	—	—	—	—
	Inverness	242	h	48	5th	35	10th	44.4	37.3	40.8	—	4	0.45	11	—	Inverness	..	2.1	—	19	0	32	—	—	—
	Fort Augustus	68	a	47	5th	37	4th	44.6	38.9	41.7	+3.3	4	0.42	11	-14										
	Fort William	171	p	52	7th	33	10th	47.3	37.9	42.5	+3.2	3	1.67	42	-5										
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	51	5th	34	7th	45.6	37.0	41.2	+2.6	5	0.54	14	+2	Nairn	..	2.4	—	21	—	—	—	—	—
Elgin	Gordon Castle	101	p	51	5th	34	7, 9	46.1	36.4	41.1	+1.8	6	0.32	8	-6	Gordon Castle	..	2.0	—	18	—	—	—	—	—
Aberdeen	Aberdeen	46	t	50	7th	36	9, 10	45.1	37.9	41.4	—	7	0.43	11	-4	Aberdeen	..	1.4	-2.0	12	3	29	—	—	40.9
	Balmoral	930	a	46	5th	31	5th	42.0	32.7	37.2	+2.1	5	0.53	13	-6	Balmoral	..	—	—	3	28	—	—	—	—
Perth	Crieff	478	p	50	7th	33	9, 10	46.1	36.4	41.1	+2.0	4	0.51	13	-8	(Kin.) Crathes	..	0.5	-2.7	5	5	25	39.2	—	40.1
Forfar	Dundee	147	a	49	4.6	35	4, 10	46.4	37.3	41.7	—	7	0.27	7	—	Dundee	..	0.7	—	6	0	31	40.1	—	—
Fife	Inchkeith	190	t	49	5th	36	10th	44.9	39.3	42.0	—	3	0.13	3	—	Inchkeith	..	0.8	—	8	—	—	—	—	—
Midlothian	Edinburgh	441	p	49	5th	34	10th	43.9	37.4	40.6	+1.6	5	0.25	6	-5	Edinburgh	..	0.8	-2.5	7	1	29	—	—	—
Peebles	West Linton	770	a	48	5th	29	5th	44.6	34.9	39.6	+3.5	7	0.81	21	—	West Linton	..	—	—	4	23	—	—	—	—
Berwick	Marchmont	498	a	47	7th	32	5th	43.6	35.1	39.2	+1.1	6	0.36	9	-7	Marchmont	..	1.0	-2.1	9	—	—	—	—	—
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	52	7th	29	8th	47.6	33.1	40.1	—	4	1.12	28	—	Ford	..	—	—	3	26	41.0	—	42.0	—
Renfrew	Renfrew	49	t	52	4th	32	10th	47.9	36.7	42.1	—	3	0.67	17	—	Renfrew	..	2.0	—	18	4	26	—	—	—
Bute	Rothsay	200	p	50	5.7	34	10th	47.4	38.0	42.6	+2.1	3	1.09	25	+1	Rothsay	..	2.6	—	24	1	30	41.7	—	42.0
Ayr	Kilmarnock	90	a	53	4th	32	8, 10	48.6	36.1	42.8	+2.9	3	0.85	22	+3	Kilmarnock	..	1.8	—	16	—	—	41.1	—	42.9
	Colmonell	170	a	52	6.8	32	8-10	49.6	36.4	42.8	+2.9	2	0.63	16	-7	Colmonell	..	—	—	4	27	—	—	—	—
Dumfries	Dumfries	140	p	50	5, 7	34	5, 10	46.6	36.6	41.5	+1.7	4	0.46	12	-7	Dumfries	..	1.9	—	17	5	24	41.2	+2.2	42.0
	Eskdalemuir	794	t	48	5th	31	10th	43.7	34.9	39.2	—	5	1.04	27	—	Eskdalemuir	..	0.8	—	7	3	28	—	—	+1.4
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	51	5th	36	5th	47.6	39.7	43.5	+2.6	4	0.79	20	0	Douglas	..	4.6	+0.8	41	1	30	—	—	—
2. ENGLAND, N.E.																									
Northum-berland	Cockle Park	324	p	48	5th	30	5th	44.9	35.0	39.8	+1.8	5	0.33	8	-7	Cockle Park	..	1.1	-2.5	10	7	22	39.6	+2.4	40.8
	Tynemouth	118	t	49	5th	34	5th	44.3	38.3	41.2	+1.6	7	0.46	12	+1	Tynemouth	..	—	—	1	30	—	—	—	+1.2
Durham	Durham	336	p	49	5th	29	5th	43.9	39.3	40.0	+1.1	6	0.41	10	-1	Durham	..	0.7	-2.5	6	2	26	—	—	—
York	Rounton	249	p	49	7th	31	8th	44.9	35.6	40.1	+1.4	6	0.47	12	0	Rounton	..	—	—	6	23	39.6	—	—	—
N. Riding	West Witton	605	h	47	7th	31	5th	43.0	36.0	39.4	—	5	0.41	10	—	West Witton	..	—	—	2	26	38.6	—	39.9	—
	Scarborough	118	h	48	6th	37	9, 10	44.1	39.1	41.5	+1.0	5	0.29	7	-5	Scarborough	..	0.3	-3.0	3	—	—	—	42.1	—
	York	56	p	49	5th	35	5, 10	45.3	37.7	41.4	+1.1	6	0.32	8	-3	York	..	0.1	-2.7	1	—	—	40.7	+1.2	42.0
E. Riding	Spurn Head	26	t	48	6th	35	9th	44.1	38.3	41.1	+1.1	4	0.23	6	-3	Spurn Head	..	0.8	—	7	—	—	—	—	—
Lincoln	Lincoln	58	a	49	7th	35	9, 10	45.3	37.0	41.0	+0.8	5	0.13	3	-7	Lincoln	..	—	—	0	32	40.0	+1.4	41.6	+0.0
	Craxwell	237	t	49	6, 7	33	4, 9	44.4	36.0	40.1	0.0	5	0.19	5	-6	Craxwell	..	0.5	-3.0	4	1	27	—	—	—
	Skegness	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Skegness	..	1.6	-2.1	14	—	—	—	—	—
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	50	6th	35	4.6, 9	44.7	35.9	40.2	+0.2	6	0.79	20	+11	Cromer	..	1.0	-2.6	9	—	—	—	—	—
	Yarmouth	13	t	49	6th	33	4th	44.6	37.6	41.0	+1.4	6	0.58	15	+4	Yarmouth	..	1.1	—	9	0	31	40.3	+1.5	43.7
	Norwich	93	a	50	7th	33	4th	45.4	36.9	41.0	+0.6	6	0.59	15	+3	Norwich	..	1.3	—	12	2	26	40.0	—	—
	Geldeston	37	a	52	7th	34	4th	45.9	36.6	41.1	+0.8	6	0.54	14	+3	Geldeston	..	1.2	-2.2	11	—	—	—	—	—
Cambridge	Cambridge	41	p	—	—	30	4th	—	34.7	—	—	6	0.45	11	+2	Cambridge	..	0.7	-2.7	6	4	24	42.2	+1.5	43.9
Hertford	Rothamsted	420	a	49	6, 7	32	6, 9	45.1	34.4	39.6	-0.2	5	0.70	18	+5	Rothamsted	..	0.6	-2.5	6	4	24	40.0	—	—
Middlesex	Tottenham	51	p	51	7th	35	5th	48.0	37.4	42.5	—	4	0.44	11	—	Tottenham	..	0.5	—	4	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	50	7th	35	4, 5	45.9	37.6	41.6	+1.7	4	0.50	13	+3	Clacton-on-Sea	..	1.9	-1.8	17	1	28	43.2	+1.8	44.6
	Southend	90	h	51	6th	35	4, 9, 10	46.9	36.9	41.8	—	4	0.24	6	—	Southend	..	1.4	—	12	0	34	43.1	—	+1.0
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	49	7th	32	5, 10	43.4	35.9	39.5	+0.8	6	0.30	8	-7	Harrogate	..	0.5	-2.8	4	1	30	39.6	+1.0	40.6
W. Riding	Sheffield	429	p	49	5th	35	9, 10	44.7	37.3	40.9	—	5	0.52	13	-3	Sheffield	..	0.4	-2.4	4	0	32	39.6	+1.1	40.8
Derby	Buxton	987	p	46	5th	31	9th	41.9	34.6	38.1	+1.1	4	0.77	19	-8	Buxton	..	0.4	—	4	3	29	38.1	+0.5	39.9
Nottingham	Worksop(Hods'ckP)	56	a	50	4, 7	34	10th	46.7	37.6	42.0	+1.7	4	0.21	5	-6	Worksop	..	0.5	-2.3	4	3	28	41.0	—	42.0
	Nottingham	82	t	48	6, 7	34	6th	45.6	37.7	41.5	+1.5	4	0.27	7	-3	Nottingham	..	0.5	-2.3	4	1	29	40.5	+1.9	41.2
Warwick	Birmingham(Edg.)	525	p	48	5, 7	33	9th	44.9	36.1	40.4	+0.6	3	0.33	8	-4	Birmingham	..	0.8	-1.5	7	2	23	41.1	+1.3	44.0
Northampton	Raunds	213	a	50	6, 7	33	5, 9	46.1	35.3	40.5	+0.6	2	0.31	8	-3	Raunds	..	0.3	—	3	2	27	41.1	—	+0.8
Oxford	Oxford	208	p	51	6th	33	5th	46.6	37.1	41.7	+1.0	5	0.37	9	-2	Oxford	..	1.2	-1.9	10	3	25	—	—	—
Stafford	Cheadle	646	a	46	5, 7, 8	32	9th	43.4	35.0	39.1	+0.3	3	0.52	13	-2	Cheadle	..	—	—	—	3	26	—	—	—
Worcester	Tenbury	313	p	52	5th	28	5th	47.7	35.7	41.5	+1.1	3	0.17	4	-6	Tenbury	..	—	—	—	2	26	42.3	—	—
	Malvern	377	h	50	7th	34	5, 9	45.9	37.9	41.8	—	4	0.18	5	—	Malvern	..	2.0	—	18	2	29	41.1	—	43.0
Hereford	Hereford	291	a	52	7th	31	5th	47.7	36.9	42.1	+1.4	3	0.16	4	-9	Ross on Wye	..	2.7	—	24	2	24	42.3	—	44.3
Gloucester	Clifton	225	a	50	6th	33	5th	46.6	38.7	42.5	+1.2	3	0.15	4	-12	Clifton	..	3.2	—	28	0	32	—	—	—
5. ENGLAND, S.E.																									
London	Westminster	27	a	52	6th	36	5th	48.3	38.3	43.2	+1.4	3	0.43	11	0	Westminster	..	0.9	-1.0	8	2	29	—	—	—
	Greenwich	149	a	53	6th	33	5th	48.0	37.0	42.3	+1.3	4	0.55	14	+2	Greenwich	..	1.2							

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "A" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. † Temperatures recorded on a Glaisher stand. ‡ Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature													
			Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.									
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal								
8a. SOUTH WALES.			ft.	h	*F.	5th	*F.	28	5, 9, 10	*F.	*F.	*F.	*F.		4	in.	mm.	mm.	Aberystwyth			Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.	*F.	
Cardigan	16		50	5th	50	5th	28	5, 9, 10	47.6	41.0	44.2				4	0.31	8		St. Ann's Hd.			3.3	+0.1	29	—	—	—	—	—	—	
Pembroke	149	t	50	5, 7, 8	37	9th	48.0		48.0	41.6	44.7	+2.9			5	0.27	7	- 11	Rhayader			4.5	+0.9	40	—	—	—	—	—	—	
Radnor	757	a	50	5th	30	5th	45.2		45.2	35.6	40.3				5	0.81	21					2.3		20	2	22	—	—	—	—	—
Glamorgan	202	p	50	4, 6-8	35	9th	48.1		48.1	38.7	43.3	+2.7			3	0.23	6	- 16	Cardiff			3.6		32	1	29	43.5	+2.4	45.1	+2.0	
8b. ENGLAND, S.W.				h	*F.	6th	*F.	30	5th	*F.	*F.	*F.	*F.		4	0.17	4	- 11	Bath			2.4	- 1.0	21	—	—	44.0		45.4		
Somerset	66		52	6th	30	5th	48.6		48.6	38.3	43.3	+2.4			4	0.17	4	- 11	Shaftesbury			—		—	—	—	42.7		44.2		
Dorset	722	a	49	4, 8	32	9th	46.1		46.1	35.7	40.8	+1.4			3	0.11	3	- 13	Weymouth			—		35	—	—	—	—	—	—	
Devon	19	t	52	7th	37	9th	49.3		49.3	40.1	44.6	+2.4			2	0.03	1	- 12	Cullompton			4.0		—	—	—	—	—	—	—	
	613	a	49	5, 6	32	5th	47.0		47.0	37.7	42.2	+2.2			4	0.43	11	- 17	Plymouth			2.9	- 0.4	26	3	23	44.5		—	—	
	202	a	52	4, 5, 7	31	5th	50.0		50.0	37.4	43.5	+2.3			4	0.22	6	- 13	Newquay			4.3	+0.6	38	1	27	44.8	+1.7	47.0		
	116	p	52	5-7	34	5th	50.1		50.1	39.6	44.7	+2.0			5	0.38	10	- 10	Falmouth			5.3	+1.5	47	0	32	45.1		47.0		
Cornwall	190	h	52	5th	31	10th	48.4		48.4	39.3	43.7	+0.6			3	0.17	4	- 13	Malin Head			4.4	+0.7	39	—	—	46.0		47.5		
	167	h	55	5th	35	10th	50.7		50.7	39.7	45.0	+1.9			4	0.61	15	- 10	Mallary			5.3	+1.5	47	0	32	45.1		47.0		
9. IRELAND, N.				t	*F.	6th	*F.	35	10th	*F.	*F.	*F.	*F.		4	0.46	12	- 2	Markree Castle			5.1		46	—	—	—	—	—	—	
Donegal	71		50	6th	35	10th	46.4		46.4	39.9	43.1	+2.4			4	0.46	12	- 2	Armagh			4.5		40	3	23	—	—	—	—	
Mayo	10	t	—	—	—	—	—		—	—	—				4	0.85	22		Markree Castle			—		35	3	24	44.0	+1.9	45.0	+1.4	
Sligo	120	a	52	5, 7	32	4th	49.9		49.9	38.7	44.1				5	0.69	18	- 3	Armagh			4.0	+0.9	35	3	24	44.0	+1.9	45.0	+1.4	
	122	p	53	5, 6	29	9th	49.9		49.9	36.4	43.0	+2.6			4	0.66	17	+ 3	Trinity Coll.			4.6	+1.6	41	3	24	43.3	+2.4	44.5	+1.5	
Armagh	204	p	52	5, 6	32	10th	49.1		49.1	37.6	43.2	+2.8			5	0.66	17	+ 3	Phoenix Park			—		—	1	30	44.3	+2.0	46.0	+1.9	
Down	35	t	—	—	—	—	—		—	—	—				—	—	—		Dublin City			4.4	+0.6	39	5	27	—	—	—	—	
10. IRELAND, S.				p	*F.	6th	*F.	37	4th	*F.	*F.	*F.	*F.		5	0.24	6	- 6	Birr Castle			—		—	0	32	—	—	—	—	
Dublin	54		54	6th	37	4th	49.7		49.7	39.9	44.7	+2.3			5	0.24	6	- 6	Kilkenny			4.4	+0.6	39	5	27	—	—	—	—	
King's County	175	t	53	6, 7	30	10th	49.6		49.6	37.6	43.4	+2.8			3	0.52	13	- 2	Waterford			—		—	0	32	—	—	—	—	
Kilkenny	195	a	55	7th	29	10th	50.9		50.9	37.3	43.9	+2.8			5	0.69	17	+ 2	Seskin, Carrick-on-Suir			4.0	+0.6	36	3	21	—	—	—	—	
Waterford	137	a	57	5th	34	10th	51.7		51.7	38.9	45.1	+3.1			4	0.87	22	+ 5	Limerick			—		—	—	—	—	—	—	—	
	542	p	54	5th	32	10th	49.7		49.7	37.4	43.4				5	0.66	17		Kerry			5.0		44	4	25	—	—	—	—	
Limerick	50	a	53	5, 6	32	9, 10	49.4		49.4	38.7	43.9	+1.5			5	0.65	16	- 3	Cahiriveen (Val.O.)			—		—	—	—	—	—	—	—	
Kerry	30	t	—	—	—	—	—		—	—	—				—	—	—		Ballinacurra			—		—	—	—	—	—	—	—	
	174	a	55	5, 6	33	9, 10	52.2		52.2	38.2	45.0	+2.5			5	0.54	14	- 16	Scilly			4.6	+0.3	40	—	—	—	—	—	—	
Cork	32	t	54	5th	37	9th	50.7		50.7	42.4	46.4	+3.3			5	1.20	31	+ 12	Grange			—		—	—	—	46.1	+1.8	47.4	+1.8	
11. CHANNEL ISLES & SCILLY.				p	*F.	6th	*F.	35	5th	*F.	*F.	*F.	*F.		6	0.60	15	- 3	St. Heliers			—		—	—	—	—	—	—	—	
Scilly	131		53	5th	40	5, 10	50.3		50.3	43.1	46.6	+1.6			6	0.60	15	- 3	Jersey			5.5	+1.8	49	—	—	—	—	—	—	
Guernsey	173	p	54	6th	36	5th	49.6		49.6	42.0	45.7	+1.5			4	0.21	5	- 13				3.7	- 0.2	33	1	26	—	—	—	—	
Jersey	25	t	54	6th	35	5th	49.6		49.6	41.6	45.5	+1.8			5	0.49	13	- 5				3.1	- 0.8	27	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 10th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ‡										Extreme Velocities.										
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.									
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.								
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.													
Shetlands	310	42	+	5	6	5 to 8, 10	30	60	55	15	2	180	42	19	5 12	61	27	5	9	10				
Orkneys	188	16	5	—	0	3, 5, 7, 8	15	60	68	8	17	170	31	14	5 11	—	—	—	—	—				
1. SCOTLAND, E.																								
Aberdeen	72	42	+	—	0	10	1	26	122	19	0	140	25	11	10 22	38	17	5	12	40				
Edinburgh	485	30	31	5	2	5, 6	11	46	85	24	0	200	40	18	5 10	59	26	5	9	40				
2. SCOTLAND, W.																								
Renfrew	188	81	15	—	0	—	0	33	121	14	0	190	21	9	5 10	46	21	5	15	25				
Dumfries	825	50	22	—	0	5, 6	8	50	82	28	0	250 200	28	12	{ 4 17 5 12 }	42	19	6	12	20				
3. ENGLAND, N.E.																								
Durham	72	61	12	—	0	10	1	39	105	23	0	160	25	11	10 21	39	17	5	16	55				
York, E.R.	67	41	+	—	0	—	0	73	89	6	0	160	21	9	5 8	34	15	5	15	20				
Lincoln	280	43	31	—	0	—	0	45	(110)	(11)	2	210	17	8	5 15	22	10	5	14	50				
4. ENGLAND, E.																								
Norfolk	52	42	+	—	0	8	1	62	(81)	(24)	0	30	25	11	8 23	35	16	8	17	35				
Essex	103	90	+	—	0	—	0	28	114	20	0	220	20	9	6 16	28	12	6	16	10				
5. ENGLAND, S.E.																								
Surrey	82	65	22	—	0	—	0	17	120	31	0	200	18	8	6 14	28	13	6	13	45				
Kent	409	70	+	—	0	6, 8	2	79	86	1	0	10	25	11	8 12	36	16	6	12	15				
Surrey	284	40	24	—	0	—	0	34	104	30	0	200	18	8	6 13	30	13	{ 6 13 9 3 }	{ 50 30 }					
Hampshire	811	42	+	—	0	—	0	47	109	7	5	270	21	9	7 15	38	17	7	15	20				
Sussex	261	53	6	—	0	—	0	40	110	18	0	—	19	9	9 4	33	15	7	17	20				
Hampshire	444	160	—	—	0	—	0	93	66	9	0	270	24	11	7 14	44	20	7	15	20				
Wiltshire	513	63	43	—	0	6, 7	12	106	(50)	(0)	0	290	36	16	7 14	45	20	7	{ 13 14 }	{ 50 10 }				
7a. ENGLAND, N.W.																								
Lancashire	109	44	—	—	0	7	5	63	97	3	0	290	26	12	7 12	—	—	—	—	—				
Lancashire	80	82	48	—	0	7	12	92	60	4	0	260	33	15	7 10	46	21	7	3	45				
7b. NORTH WALES.																								
Anglesey	64	45	+	—	0	4, 5, 7	23	96	44	5	0	320	35	16	4 1	53	24	4	0	35				
8b. ENGLAND, S.W.																								
Devon	185	88	2	—	0	—	5	82	61	20	0	—	27	12	4 4	49	22	4	1	25				
Cornwall	256	65	24	—	0	4 to 7, 10	18	87	45	18	0	210	30	13	6 11	45	20	7	14	45				
9. IRELAND, S.																								
Dublin	49	27	—	—	0	4 to 7	28	91	48	1	0	240	35	16	7 4	—	—	—	—	—				
Clare	100	40	+	—	0	6, 7, 10	28	86	46	8	0	—	31	14	7 5	44	19	7	5	0				
Kerry	98	41	+	—	0	4 to 7, 10	21	84	49	14	0	150	29	13	10 12	49	22	7	1	30				
Cork	160	30	+	—	0	5, 6, 7, 10	21	100	47	0	0	—	33	15	10 16	49	22	6	14	25				
11a. SCILLY ISLES.																								
Scilly	150	32	+	—	0	4, 7	25	62	66	15	0	340	31	14	4 1	41	18	4	1	35				

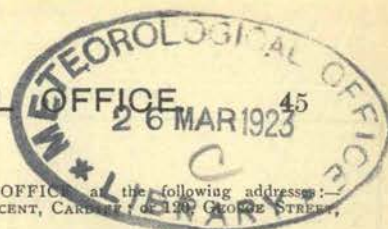
First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		TENTH WEEK of 1923—March 4th to March 10th, 1923.																			Mean Pressure at M.S.L.
		Temperature of the Air.										Rainfall.				Sunshine.					
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration			
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal										
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.	
0. SCOTLAND, NORTH ..		52	30	45.7	37.3	41.4	+3.1	10	+3	15	-18	4	-1	0.58	15	-14	2.7	+0.1	25	1012	
Eastern.																					
1. SCOTLAND, EAST ..		51	29	44.7	36.2	40.3	+1.9	8	-1	19	-17	5	0	0.45	11	-5	1.1	-2.0	10	1013	
2. ENGLAND, N.E. ..		49	29	44.6	37.0	40.7	+1.0	7	-5	16	-14	5	+1	0.31	8	-4	0.7	-2.6	6	1014	
3. ENGLAND, EAST ..		52	30	45.7	36.6	41.0	+0.9	10	-5	17	-11	5	+1	0.57	14	+3	1.0	-2.3	9	1014	
4. MIDLAND COUNTIES		52	28	45.9	36.6	41.1	+1.2	11	-4	17	-13	4	0	0.28	7	-5	1.2	-1.7	11	1015	
5. ENGLAND, S.E. ..		52	28	47.3	37.5	42.3	+1.2	15	-1	13	-10	4	0	0.35	9	-5	1.9	-1.4	17	1014	
Western.																					
6. SCOTLAND, WEST (and Isle of Man)		53	29	47.9	36.7	42.1	+2.1	16	+6	15	-10	3	-2	0.79	20	-4	—	—	—	1013	
7. ENGLAND, N.W. (and North Wales)		54	32	46.7	38.3	42.3	+2.0	12	+1	10	-13	4	0	0.33	8	-9	2.1	-0.8	19	1014	
8. ENGLAND, S.W. (and South Wales)		55	30	48.3	38.4	43.2	+1.7	18	+1	10	-10	4	0	0.33	8	-13	3.7	+0.3	32	1015	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.3	+1.2	38	1013	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)		54	35	49.8	42.2	45.9	+1.6	27	+3	0	-8	5	0	0.43	11	-8	4.1	+0.2	36	1016	
MEAN: DISTRICTS 1-10																					
THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, March 4th to March 10th, 1923.																					
0. SCOTLAND, NORTH ..		52	30	45.7	37.3	41.4	+3.1	10	+3	15	-18	4	-1	0.58	15	-14	2.7	+0.1	25	1012	
Eastern.																					
1. SCOTLAND, EAST ..		51	29	44.7	36.2	40.3	+1.9	8	-1	19	-17	5	0	0.45	11	-5	1.1	-2.0	10	1013	
2. ENGLAND, N.E. ..		49	29	44.6	37.0	40.7	+1.0	7	-5	16	-14	5	+1	0.31	8	-4	0.7	-2.6	6	1014	
3. ENGLAND, EAST ..		52	30	45.7	36.6	41.0	+0.9	10	-5	17	-11	5	+1	0.57	14	+3	1.0	-2.3	9	1014	
4. MIDLAND COUNTIES		52	28	45.9	36.6	41.1	+1.2	11	-4	17	-13	4	0	0.28	7	-5	1.2	-1.7	11	1015	
5. ENGLAND, S.E. ..		52	28	47.3	37.5	42.3	+1.2	15	-1	13	-10	4	0	0.35	9	-5	1.9	-1.4	17	1014	
Western.																					
6. SCOTLAND, WEST (and Isle of Man)		53	29	47.9	36.7	42.1	+2.1	16	+6	15	-10	3	-2	0.79	20	-4	—	—	—	1013	
7. ENGLAND, N.W. (and North Wales)		54	32	46.7	38.3	42.3	+2.0	12	+1	10	-13	4	0	0.33	8	-9	2.1	-0.8	19	1014	
8. ENGLAND, S.W. (and South Wales)		55	30	48.3	38.4	43.2	+1.7	18	+1	10	-10	4	0	0.33	8	-13	3.7	+0.3	32	1015	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.3	+1.2	38	1013	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)		54	35	49.8	42.2	45.9	+1.6	27	+3	0	-8	5	0	0.43	11	-8	4.1	+0.2	36	1016	
MEAN: DISTRICTS 1-10..																					
THE YEAR. Aggregates, &c., for the Period of 10 Weeks, December 31st, 1922, to March 10th, 1923.																					
0. SCOTLAND, NORTH ..		54	25	44.9	37.3	41.1	+3.0	93	+32	153	-186	55	+4	13.23	336	+32	1.2	-0.3	14	1003	
Eastern.																					
1. SCOTLAND, EAST ..		56	20	44.0	36.2	40.1	+2.7	84	+18	216	-173	51	+10	7.47	191	+48	1.5	-0.6	17	1005	
2. ENGLAND, N.E. ..		58	26	45.2	37.0	41.2	+2.6	124	+42	181	-137	42	+4	5.23	135	+34	1.8	-0.3	20	1009	
3. ENGLAND, EAST ..		60	23	46.3	36.9	41.7	+3.1	149	+53	171	-166	45	+6	5.18	131	+31	2.0	-0.3	21	1012	
4. MIDLAND COUNTIES		61	22	46.5	36.7	41.7	+3.1	153	+50	177	-169	45	+6	7.48	190	+72	1.8	-0.2	19	1011	
5. ENGLAND, S.E. ..		56	22	47.6	37.6	42.7	+2.8	185	+65	136	-132	44	+6	6.56	167	+39	2.2	-0.1	23	1012	
Western.																					
6. SCOTLAND, WEST (and Isle of Man)		54	20	46.1	37.5	41.9	+2.4	143	+56	151	-116	54	+7	11.90	302	+53	—	—	—	1007	
7. ENGLAND, N.W. (and North Wales)		57	24	46.7	38.9	42.8	+3.1	164	+69	106	-153	52	+11	7.63	194	+29	1.6	-0.4	17	1009	
8. ENGLAND, S.W. (and South Wales)		56	24	48.2	39.4	43.9	+2.8	214	+69	86	-122	51	+9	11.71	298	+100	2.2	-0.1	24	1012	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.1	+0.1	23	1006	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)		55	32	50.2	43.1	46.7	+2.5	333	+98	3	-79	54	+7	8.73	222	+53	2.5	-0.3	26	1014	
MEAN: DISTRICTS 1-10..																					
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb	

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
16th March, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE, at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 120, GEORGE STREET, EDINBURGH.

Forty-sixth Year. } No. 11.
Vol. XL. (New Series) }

ELEVENTH WEEK.

SUNDAY, MARCH 11TH, TO SATURDAY, MARCH 17TH, 1923.

Price 9d. Net, Post free 9½d.

Annual Subscription
(including Postage), £2 0s. 0d.

The weather over the British Isles during the week was generally of an unsettled character. Fine bright weather was experienced on several days in some parts of Scotland; but in most other parts of the country the weather was decidedly cloudy except on the Saturday when it was fine generally. The total rainfall for the week was above the normal in England E., England S.E. and the Channel Islands, but in all other districts it was below. Amongst the heaviest falls were 19mm. at Camden Square and at Rothamsted, 17mm. at Tottenham and Wisley (Surrey), 15mm. at Cambridge and 13mm. at Crieff (Perth) on the 12th. Hail fell at Aberdeen, Norwich and Southend on the 11th, and at Guernsey on the 14th, and in one or two places in Scotland "snow lying" was recorded. Maximum temperatures of between 50°F. and 55°F. were registered on various dates, and at a few places readings slightly above 55°F. Screen minima below 32°F. occurred in several places, the lowest reading being 23°F. at Balmoral on the 14th, while ground

frosts were registered at nearly all stations. Mean temperature for the week was below the normal in the eastern and south-eastern parts of England, but generally above elsewhere. The mean daily range of temperature was about 15°F. in some parts of Scotland, whereas at a few of the east and south-east coast stations the range was less than 5°F. Several good records of sunshine were obtained, notably on the 17th, when a large number of stations had between 9 and 10 hours. Amongst the largest amounts were 10·8 hours at Lerwick, 10·5 hours at Castlebay, 10·4 hours at Lancaster and 10·2 hours at Stornoway and Southport. The mean amount of sunshine for the week was above the normal in parts of Scotland, but in nearly all other places it was below. Solar halos were observed at Oxford on the 11th and at Ross-on-Wye on the 13th. The Zodiacal Light was seen at Oxford and at Wadhurst (near Tunbridge Wells) on the 17th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	—	—	—	13	11	4·9	14	7	3·0	3	10	4·4	8	15	6·5	12	11	4·7	9	17	7·4	14	9	4·1
North	—	—	—	10	4	1·6	6	5	2·1	24	7	3·1	12	6	2·7	9	11	4·9	16	5	2·4	9	2	1·1
West	—	—	—	7	9	4·0	3	5	2·2	0	—	—	5	12	5·3	5	9	4·1	7	10	4·5	6	11	4·8
East	—	—	—	18	7	3·2	23	14	6·4	25	6	2·8	22	14	6·3	20	16	7·3	21	14	6·2	17	8	3·7
Calm (or wind- speed < 4 m.p.h.)	—	—	—	1	—	—	2	—	—	1	—	—	1	—	—	0	—	—	0	—	—	4	—	—
No record ...	—	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	Channel Islands (and Scilly).
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England N.W. (and N. Wales)	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ...	Warmth ..	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Rainfall ..	Very Light	Light	Light	Heavy	Moderate	Moderate	Light	Very Light	Moderate	—	—	Heavy
	Sunshine ..	Abundant	Moderate	Scanty	Scanty	Very Scanty	Scanty	—	Moderate	Scanty	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 2 week from March 4th, 1923.	Warmth ..	2, 0, 0	0, 2, 0	0, 2, 0	0, 2, 0	0, 2, 0	0, 2, 0	1, 1, 0	0, 2, 0	0, 2, 0	—	—	0, 2, 0
	Rainfall ..	0, 0, 2	0, 1, 1	0, 1, 1	2, 0, 0	0, 2, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 1, 1	—	—	1, 1, 0
	Sunshine ..	1, 1, 0	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	—	0, 1, 1	0, 1, 1	1, 1, 0	—	0, 2, 0

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day						Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.					
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal				
0. SCOTLAND, N.																												
Shetlands	Lerwick	54	t	48	14, 17	34	11th	44.7	37.6	41.1	+2.7	3	0.15	4	-15	Lerwick	..	4.1	—	35	—	—	—	—	—	—	—	
Orkneys	Deerness	160	p	49	13th	37	14, 15	45.0	38.6	41.7	+2.7	1	0.01	0.3	-17	Deerness	..	6.2	+3.2	53	—	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	52	17th	30	15th	48.7	36.9	42.6	+3.0	3	0.41	10	-14	Stornoway	..	5.2	+2.0	45	—	—	—	—	—	—	—	
	Castlebay	37	t	51	17th	41	11, 16	48.1	43.1	45.5	—	3	0.21	5	—	Castlebay	..	6.1	—	52	—	—	—	—	—	—	—	
Caithness	Wick	81	t	52	13th	35	14th	44.4	39.3	41.8	+2.2	1	0.01	0.3	-14			—	—	—	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	a	53	14th	27	15th	49.0	32.7	40.6	+1.5	2	0.04	1	-15			—	—	—	—	—	—	—	—	—	—	
Inverness	Achnashellach	225	a	56	17th	30	14th	51.3	36.6	43.7	—	1	0.14	4	—	Achnashellach	..	—	—	—	—	—	—	—	—	—	—	
	Inverness	242	a	52	14th	29	15th	48.4	34.3	41.1	—	1	0.01	0.2	—	Inverness	..	6.4	—	55	—	—	—	—	—	—	—	
	Fort Augustus	68	a	56	14th	27	14, 15	50.7	34.3	42.3	+2.9	1	0.09	2	-20			—	—	—	—	—	—	—	—	—	—	
	Fort William	171	p	61	16th	29	14th	52.7	36.4	44.3	+4.0	2	0.50	13	-28			—	—	—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																												
Nairn	Nairn	82	t	54	17th	27	15, 17	48.7	32.6	40.4	+1.1	1	0.01	0.3	-11	Nairn	..	6.6	—	57	—	—	—	—	—	—	—	—
Elgin	Gordon Castle	101	p	54	14th	29	15th	49.0	34.7	41.6	+1.7	0	0.00	0	-13	Gordon Castle	..	6.4	—	55	—	—	—	—	—	—	—	—
Aberdeen	Aberdeen	46	t	53	13, 14	33	14, 17	47.4	36.7	41.9	—	2	0.31	8	-6	Aberdeen	..	3.9	+0.1	34	26	—	—	—	—	41.2	+1.4	
	Balmoral	930	a	50	16th	23	14th	45.4	29.3	37.1	+1.3	2	0.15	4	-13	Balmoral	..	—	—	4	22	—	—	—	—	—	—	—
Perth	Cueff	478	p	52	13th	31	14th	46.4	34.1	40.1	+0.2	2	0.82	21	+3	Perth	..	4.8	+1.2	41	3	22	39.3	—	—	40.4	—	
Forfar	Dundee	147	a	53	13th	31	14th	46.6	35.1	40.7	—	1	0.12	3	—	Dundee	..	3.0	—	25	1	28	41.3	—	—	—	—	
Fife	Inchkeith	190	t	52	13th	36	14th	45.6	38.6	42.0	—	1	0.20	5	—	Inchkeith	..	3.3	—	28	1	28	—	—	—	—	—	
Midlothian	Edinburgh	441	p	51	13th	35	11th	44.7	36.9	40.7	+1.0	1	0.02	1	-9	Edinburgh	..	3.0	-0.7	26	1	—	—	—	—	—	—	
Peebles	West Linton	770	a	50	13th	25	14th	45.9	33.9	39.7	+3.0	2	0.06	2	—	West Linton	..	—	—	5	20	—	—	—	—	—	—	
Berwick	Marchmont	498	a	52	13th	33	11, 12	44.7	35.6	40.0	+1.2	0	0.00	0	-15	Marchmont	..	2.3	-1.2	20	—	—	—	—	—	—	—	
6a. SCOTLAND, W.																												
Argyle	Ford	149	a	52	14th	28	14, 17	48.7	32.4	40.3	—	3	0.45	11	—	Ford	..	—	—	4	25	40.8	—	—	42.2	—	—	
Renfrew	Renfrew	49	t	51	13th	26	14th	46.9	35.9	41.2	—	2	0.16	4	—	Renfrew	..	2.8	—	24	2	18	—	—	—	—	—	
Bute	Rothsay	200	p	51	13th	35	14th	46.7	37.9	42.2	+1.0	2	0.30	8	-11	Rothsay	..	4.4	—	37	1	28	41.1	—	—	43.0	+1.2	
Ayr	Kilmarnock	90	a	54	13, 14, 17	27	14th	50.9	35.4	42.9	+2.8	2	0.15	4	-10	Kilmarnock	..	5.3	—	45	—	—	—	—	—	43.0	—	
	Colmonell	170	a	57	17th	28	14th	51.7	35.1	43.2	+2.4	2	0.50	13	-5	Colmonell	..	—	—	3	23	—	—	—	—	—	—	
Dumfries	Dumfries	140	p	51	13, 17	35	11, 14, 17	47.6	36.9	42.1	+1.4	2	0.25	6	-9	Dumfries	..	3.6	—	31	3	25	41.0	+1.5	42.1	+1.2		
	Eskdalemuir	794	t	50	13th	33	14, 17	44.7	34.7	39.6	—	2	0.21	5	—	Eskdalemuir	..	2.9	—	24	2	28	—	—	—	—	—	
6b. ISLE OF MAN.																												
I. of Man	Douglas	284	a	52	17th	38	15th	47.6	39.7	43.5	+1.9	2	0.30	8	-7	Douglas	..	4.3	+0.1	36	0	32	—	—	—	—	—	
2. ENGLAND, N.E.																												
Northumberland	Cockle Park	324	p	53	13th	32	12th	44.0	35.9	39.8	+0.7	2	0.06	2	-10	Cockle Park	..	2.0	-2.2	17	4	23	39.7	+2.0	41.1	+1.3		
	Tynemouth	118	t	52	13th	35	12th	43.7	39.1	41.3	+0.6	2	0.04	1	-8	Tynemouth	..	—	—	0	34	—	—	—	—	—	—	
Durham	Durham	336	p	53	13th	34	12th	43.4	35.1	39.1	+1.0	3	0.04	1	-8	Durham	..	2.2	-1.6	18	3	22	—	—	—	—	—	
York	Rounton	249	a	53	13th	33	12th	45.0	35.6	40.2	+0.3	3	0.04	1	-8	Rounton	..	—	—	6	23	40.1	—	—	—	—	—	
N. Riding	West Witton	605	a	54	13th	32	12th	44.9	35.4	40.0	—	3	0.06	2	—	West Witton	..	—	—	2	28	38.9	—	—	40.2	—	—	
	Scarborough	118	a	53	13th	22	12th	45.4	36.7	40.9	-0.6	3	0.13	3	-5	Scarborough	..	2.5	-0.8	21	—	—	—	—	—	40.6	+0.5	
	York	56	p	53	13th	22	12th	45.4	36.7	40.9	-0.6	3	0.13	3	-5	York	..	—	—	—	—	—	—	—	—	—	—	—
E. Riding	Spurn Head	26	t	48	13th	36	11, 12, 15	43.7	37.6	40.6	-0.5	3	0.57	14	+7	Spurn Head	..	1.6	—	14	—	—	—	—	—	—	—	—
Lincoln	Lincoln	58	a	50	13, 17	30	12th	45.3	36.1	40.6	-0.9	3	0.38	10	+2	Lincoln	..	—	—	1	26	39.8	+0.6	42.0	+0.9			
	Cranwell	237	t	48	17th	25	12th	43.9	34.7	39.2	-2.2	2	0.53	13	+4	Cranwell	..	1.8	-2.3	15	2	21	—	—	—	—	—	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	..	2.0	-2.4	17	—	—	—	—	—	—	—	—
3. ENGLAND, E.																												
Norfolk	Cromer	196	a	49	12, 13	35	11, 12	44.4	36.7	40.4	-0.6	5	0.30	7	0	Cromer	..	2.3	-1.8	19	—	—	—	—	—	—	—	—
	Yarmouth	13	t	44	12, 13, 17	37	11th	42.6	38.9	40.7	+0.2	4	0.13	3	-5	Yarmouth	..	1.9	—	16	0	33	42.1	+0.6	44.0	+0.5		
	Norwich	93	a	50	17th	31	12th	45.0	36.1	40.4	-1.1	5	0.42	11	+2	Norwich	..	2.0	—	17	3	25	40.2	—	—	—	—	—
	Geldeston	37	a	49	13th	36	12, 13, 16	44.8	37.3	40.9	-0.4	6	0.25	6	-2	Geldeston	..	1.7	-2.3	14	—	—	—	—	—	—	—	—
Cambridge	Cambridge	41	p	50	17th	25	12th	44.6	35.0	39.7	-1.9	3	0.76	19	+12	Cambridge	..	1.6	-2.3	14	3	20	41.6	+0.1	43.8	+0.8		
Hertford	Rothamsted	420	a	49	17th	28	12th	43.4	34.9	39.0	-1.8	4	0.91	23	+14	Rothamsted	..	1.4	-2.3	12	2	18	39.4	—	—	—	—	
Middlesex	Tottenham	51	p	52	17th	30	12th	45.9	37.1	41.4	—	3	0.87	22	—	Tottenham	..	1.0	—	8	—	—	—	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	51	15th	26	12th	45.3	38.9	42.0	+1.1	4	0.28	7	0	Clacton-on-Sea	..	2.1	-2.1	18	1	27	42.0	-0.1	44.3	+0.3		
	Southend	90	a	50	12th	32	12th	44.6	36.9	40.6	—	4	0.69	17	—	Southend	..	1.9	—	16	1	30	41.8	—	—	—	—	—
4. MIDLAND COUNTIES.																												
York	Harrogate	479	a	52	13th	30	12th	43.9	34.7	39.1	-0.9	2	0.22	6	-5	Harrogate	..	2.1	-1.7	18	2	27	39.9	+0.9	40.9	+0.7		
W. Riding	Sheffield	429	p	50	13th	31	12th	44.1	36.6	40.2	—	3	0.08	2	-10													

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.			Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
					Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
									Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.			Ft.		*F.	*F.	*F.	*F.	*F.	*F.						Hr.	hr.	%	F.	F.	F.	F.	F.			
Cardigan	Aberystwyth	...	16	k	51	17th	38	14, 15	48.0	40.0	43.9	—	1	0.02	1	—	Aberystwyth	2.8	- 0.8	23	—	—	—	—	*F.	
Pembroke	St. Ann's Hd.	...	149	t	51	17th	39	14, 15, 17	48.0	41.0	44.4	+1.6	2	0.35	9	- 4	St. Ann's Hd.	2.8	- 1.3	23	—	—	—	—	—	
Radnor	Rhayader	...	757	a	49	13th	33	14th	44.4	35.9	40.0	—	3	0.13	3	—	Rhayader	1.6	—	14	2	20	—	—	—	
Glamorgan	Cardiff	...	202	p	51	13th	37	11, 15	46.4	38.7	42.4	+0.5	2	0.28	7	- 8	Cardiff	0.8	—	7	0	32	43.0	+1.4	45.1	+1.8
8b. ENGLAND, S.W.																										
Somerset	Bath	...	66	k	50	17th	34	12th	47.1	38.7	42.8	+0.6	2	0.21	5	- 6	Bath	0.6	- 2.1	5	—	—	44.0	—	45.5	—
Dorset	Shaftesbury	...	722	a	48	17th	32	16th	45.1	35.1	40.0	- 0.7	3	0.51	13	+ 2	Shaftesbury	—	—	—	—	—	41.6	—	43.9	—
Devon	Portland Bill	...	19	t	50	13th	36	15th	47.3	39.7	43.4	+0.1	2	0.35	9	0	Weymouth	2.2	—	19	—	—	—	—	—	
	Arlington	...	613	a	49	13th	35	11th	45.4	37.8	41.5	+0.3	2	0.51	13	- 6										
	Cullompton	...	202	a	53	13th	37	15, 16	48.0	39.1	43.4	+0.9	2	0.33	9	- 4	Cullompton	1.4	- 2.3	12	1	29	44.3	—	—	
	Plymouth	...	116	p	53	17th	37	11th	50.1	40.6	45.2	+1.3	2	0.29	7	- 7	Plymouth	3.9	- 0.2	33	0	33	44.4	+0.6	46.9	—
Cornwall	Newquay	...	190	k	55	17th	38	15th	48.5	41.3	44.8	+0.7	2	0.22	6	- 6	Newquay	3.5	- 0.6	30	—	—	45.4	—	47.3	—
	Falmouth	...	167	k	52	17th	39	15, 16	49.9	41.9	45.8	+1.6	3	0.37	9	- 8	Falmouth	3.9	- 0.3	33	0	36	45.8	—	47.2	—
9. IRELAND, N.																										
Donegal	Malin Head	...	71	t	52	12th	35	14th	47.7	39.7	43.6	+1.5	3	0.09	2	- 10	Malin Head	3.7	—	31	—	—	—	—	—	—
Mayo	Blackod Point	...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallaraun	...	120	a	—	—	—	—	—	—	—	—	—	—	—	—										
Sligo	Markree Castle	...	122	p	54	14th	29	14th	49.2	37.9	43.4	+1.6	2	0.34	9	- 8	Mallaraun	—	—	—	—	—	—	—	—	—
	Markree Castle	...	122	p	54	14th	29	14th	49.2	37.9	43.4	+1.6	2	0.34	9	- 8	Markree Castle	2.6	- 0.5	22	2	24	43.9	+1.4	45.1	+1.4
Armagh	Armagh	...	204	p	54	13th	29	14th	48.9	38.1	43.3	+1.4	2	0.06	1	- 11	Armagh	3.4	+0.3	29	1	22	43.1	+1.7	44.6	+1.5
Down	Donaghadee	...	35	t	50	13th	40	13, 14	47.3	42.0	44.6	+2.3	2	0.12	3	- 8										
10. IRELAND, S.																										
Dublin	Dublin City	...	54	p	55	12th	34	14th	48.9	40.6	44.6	+0.9	2	0.07	2	- 7	Trinity Coll.	—	—	—	1	29	44.5	+1.8	46.0	+1.7
King's County	Birr Castle	...	175	t	54	12th	30	14th	48.7	38.6	43.5	+1.6	2	0.30	7	- 5	Phoenix Park	2.7	- 0.8	23	1	21	—	—	—	—
Kilkenny	Kilkenny	...	195	a	53	12th	29	14th	49.1	37.9	43.3	+0.8	2	0.37	9	- 2	Dublin City	—	—	—	1	29	—	—	—	—
Waterford	Waterford	...	137	a	54	12th	33	14th	50.7	39.6	45.0	+1.6	2	0.66	17	+ 4	Birr Castle	2.7	- 0.4	23	2	22	—	—	—	—
	Seskin, Carrick-on-Suir	...	542	p	52	12th	33	14th	48.1	37.4	42.6	—	2	0.49	12	—										
Limerick	Foynes	...	50	a	56	12th	32	14th	50.7	38.3	44.3	+0.5	2	0.44	11	- 3	Seskin	3.1	—	26	1	25	—	—	—	—
Kerry	Cahiriveen (Val.O.)	...	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—
	Killarney	...	174	a	58	14th	31	14th	52.5	36.9	44.5	+0.4	2	0.48	12	- 11	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roché's Point	...	32	t	53	12th	37	14th	49.4	41.3	45.2	+0.9	2	0.63	16	+ 2	Ballinacurra	3.6	- 0.4	30	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	...	131	t	54	17th	40	15th	50.7	42.3	46.4	+0.5	3	0.26	7	- 4	Scilly	4.1	- 0.6	35	—	—	—	—	—	—
Guernsey	Grange	...	173	p	52	13th	40	15, 16	48.7	42.1	45.3	- 0.1	4	0.91	23	+12	Grange	4.1	- 0.9	35	0	33	45.7	+0.7	47.7	+1.8
Jersey	St. Aubins	...	25	t	54	17th	38	11th	49.9	41.3	45.5	+0.6	4	0.91	23	+12	St. Heliers	3.9	- 1.0	33	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 17th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	4	12, 13	26	11 to 13	37	28	74	3	0	170	45	20	12	10	59	26	13	0	25
Orkneys **Deerness (Cup Anr.)	118	16	5	Instrument out of action.																	
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	1	—	0	12	6	51	83	28	0	150	27	12	12	20	43	19	12	8	45
Edinburgh Edinburgh ...	485	39	31	—	0	12	7	42	101	18	0	180	36	16	12	14	54	24	12	13	15
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	12	6	60	84	18	0	170	26	11	12	14	51	23	12	14	10
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	78	77	7	6	190	23	10	12	22	36	16	12	22	15
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	—	0	70	92	6	0	180	24	11	12	13	37	17	12	11	5
York, E.R. Spurn Head ...	67	41	1	—	0	12	4	102	52	10	0	170	28	13	12	22	35	16	12	22	30
Lincoln Cranwell ...	280	43	31	—	0	—	0	36	(118)	(14)	0	170	21	9	12	22	24	11	12	21	55
3. ENGLAND, E																					
Norfolk Gorleston ...	52	42	4	—	0	14, 15	16	92	48	12	0	80	32	14	15	7	42	19	15	7	15
Essex Shoeburyness...	103	90	4	—	0	15	2	78	70	18	0	50	25	11	15	7	36	16	15	7	50
5. ENGLAND, S.E																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	41	110	17	0	90	18	8	17	15	30	13	15	15	55
Kent Lympne ...	409	70	4	—	0	15	1	70	84	7	6	30	25	11	15	2	39	17	15	5	5
Surrey Croydon ...	284	40	24	—	0	—	0	55	79	34	0	40 80	20	9	(15 10) (17 14)	29	13	17	16	45	
Hampshire Petersfield (Stoner Hill)...	811	42	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sussex Brighton ...	261	53	6	—	0	—	0	46	122	0	0	—	—	—	—	—	—	—	—	—	—
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	95	70	3	0	50	24	11	15	12	29	13	16	11	30
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	15	3	135	(30)	(0)	0	30	27	12	15	11	35	16	15	11	5
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	12	6	70	92	0	0	140	26	12	12	15	39	17	17	16	30
Lancashire Southport ...	80	62	48	—	0	12, 17	6	101	60	1	0	90	29	13	17	14	—	—	—	—	—
7b. NORTH WALES.																					
Anglesey Holyhead ...	74	45	4	—	0	12, 15, 17	21	115	30	2	0	150 160 60	31	14	(12 10) (12 13) (17 18)	51	23	12	15	30	
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	12	7	102	58	1	0	—	29	13	12	19	38	17	17	12	30
Cornwall Pendennis Castle ...	256	65	24	—	0	12, 16, 17	49	89	29	0	1	60	35	15	17	1	45	20	17	1	55
10. IRELAND, S																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	11, 12, 15, 16, 17	21	117	23	7	0	240	30	13	12	23	—	—	—	—	—
Clare Quilty ...	100	40	4	—	0	11, 12	13	49	99	7	0	—	36	16	12	15	54	24	12	18	45
Kerry Cahirciveen (Val. Obs.)...	98	41	4	—	0	11, 12	14	47	87	20	0	210	29	13	12	14	47	21	12	10	0
Cork Weaver Pt. ...	160	30	4	—	0	11, 12	6	91	(70)	(1)	0	—	27	12	12	14	44	20	12	14	45
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	4	—	0	—	0	105	54	5	4	110	23	10	16	12	36	16	17	2	35

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

ELEVENTH WEEK of 1923—March 11th to March 17th, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
0. SCOTLAND, NORTH ..	°F. 61	°F. 27	°F. 48.6	°F. 36.1	°F. 42.2	°F. +3.1	day- deg. F. 18	day- deg. F. +10	day- deg. F. 17	day- deg. F. -13	2	-3	inches. 0.19	mm. 5	mm. -21	hr. 6.0	hr. +3.1	% 51	mb. 1023
Eastern.																			
1. SCOTLAND, EAST ..	54	23	46.6	34.4	40.3	+1.1	13	+2	25	-8	1	-3	0.19	5	-9	3.9	+0.4	34	1025
2. ENGLAND, N.E. ..	53	25	44.3	36.3	40.2	-0.7	6	-11	19	-6	3	-1	0.22	6	-3	2.1	-1.9	18	1025
3. ENGLAND, EAST ..	52	25	44.5	36.9	40.6	-0.5	7	-13	17	-9	4	+1	0.49	12	+4	1.7	-2.1	14	1023
4. MIDLAND COUNTIES ..	54	28	45.0	36.1	40.4	-0.9	8	-13	20	-6	3	0	0.29	8	-1	1.2	-2.3	10	1023
5. ENGLAND, S.E. ..	52	29	45.4	37.8	41.5	-0.7	10	-11	13	-6	4	+1	0.55	14	+4	1.8	-2.0	15	1022
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	57	26	48.6	36.2	42.2	+1.4	18	+5	16	-7	2	-2	0.30	8	-11	—	—	—	1025
7. ENGLAND, N.W. (and North Wales) ..	54	33	46.8	37.7	42.1	+0.6	13	-3	12	-8	2	-2	0.05	1	-12	2.8	-0.6	24	1023
8. ENGLAND, S.W. (and South Wales) ..	53	32	47.2	38.9	42.9	+0.2	15	-6	9	-8	2	-2	0.33	8	-6	2.6	-1.2	22	1021
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	-0.1	26	1022
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1021
11. CHANNEL ISLANDS (and Scilly) ..	54	38	49.8	41.9	45.7	+0.3	26	-4	0	-6	4	0	0.69	18	+7	4.0	-0.9	34	1019
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1023
THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks, March 4th to March 17th 1923.																			
0. SCOTLAND, NORTH ..	61	27	47.1	36.7	41.8	+3.1	28	+13	32	-31	6	-4	0.77	20	-35	4.4	+1.6	38	1017
Eastern.																			
1. SCOTLAND, EAST ..	54	23	45.7	35.3	40.3	+1.5	21	+1	44	-25	6	-3	0.64	16	-14	2.5	-0.8	22	1019
2. ENGLAND, N.E. ..	53	25	44.5	36.7	40.5	+0.2	13	-16	35	-20	8	0	0.53	14	-7	1.4	-2.3	12	1019
3. ENGLAND, EAST ..	52	25	45.1	36.7	40.8	+0.2	17	-18	34	-20	9	+2	1.06	26	+7	1.3	-2.3	12	1019
4. MIDLAND COUNTIES ..	54	28	45.5	36.3	40.7	+0.1	19	-17	37	-19	7	0	0.57	15	-6	1.2	-2.0	10	1019
5. ENGLAND, S.E. ..	52	28	46.3	37.7	41.9	+0.2	25	-12	26	-16	8	+1	0.90	23	-1	1.9	-1.7	16	1018
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	57	26	48.3	36.5	42.1	+1.7	34	+11	31	-17	5	-4	1.09	28	-15	—	—	—	1019
7. ENGLAND, N.W. (and North Wales) ..	54	32	46.7	38.0	42.2	+1.3	25	-2	22	-21	6	-2	0.38	9	-21	2.5	-0.7	22	1019
8. ENGLAND, S.W. (and South Wales) ..	55	30	47.7	38.7	43.1	+1.0	33	-5	19	-18	6	-2	0.66	16	-19	3.1	-0.5	27	1018
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	+0.6	32	1017
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1018
11. CHANNEL ISLANDS (and Scilly) ..	54	35	49.8	42.1	45.8	+0.9	53	-1	0	-14	9	0	1.12	29	-1	4.1	-0.3	35	1017
MEAN: DISTRICTS 1-10..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1019
THE YEAR. Aggregates, &c., for the Period of 11 Weeks, December 31st, 1922, to March 17th, 1923																			
0. SCOTLAND, NORTH ..	61	25	45.2	37.2	41.2	+3.0	111	+42	170	-199	57	+1	13.42	341	+11	1.7	0.0	19	1005
Eastern.																			
1. SCOTLAND, EAST ..	56	20	44.2	36.0	40.1	+2.5	97	+20	241	-181	52	+7	7.66	196	+39	1.7	-0.5	19	1007
2. ENGLAND, N.E. ..	58	25	45.1	36.9	41.1	+2.3	130	+31	200	-143	45	+3	5.45	141	+31	1.8	-0.5	19	1010
3. ENGLAND, EAST ..	60	23	46.1	36.9	41.6	+2.8	156	+40	188	-175	49	+7	5.67	143	+35	2.0	-0.5	21	1013
4. MIDLAND COUNTIES ..	61	22	46.3	36.6	41.6	+2.8	161	+37	197	-175	48	+6	7.77	198	+71	1.7	-0.5	18	1012
5. ENGLAND, S.E. ..	56	22	47.4	37.6	42.6	+2.5	195	+54	149	-138	48	+7	7.11	181	+43	2.2	-0.2	23	1013
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	57	20	46.3	37.4	41.9	+2.3	161	+61	167	-123	56	+5	12.20	310	+42	—	—	—	1009
7. ENGLAND, N.W. (and North Wales) ..	57	24	46.7	38.8	42.8	+3.0	177	+66	118	-161	54	+9	7.68	195	+17	1.7	-0.4	18	1011
8. ENGLAND, S.W. (and South Wales) ..	56	24	48.1	39.3	43.8	+2.5	229	+63	95	-130	53	+7	12.04	306	+94	2.2	-0.2	23	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.2	+0.1	24	1008
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..	55	32	50.1	43.0	46.6	+2.3	359	+94	3	-85	58	+7	9.42	240	+60	2.7	-0.3	27	1014
MEAN: DISTRICTS 1-10 ..	°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
23rd March, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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Over the British Isles generally the weather of the week was for the most part of an anticyclonic type, being characterised by light easterly or north-easterly winds, light rainfall and rather high day temperatures. Smoke hung over the country, fog being reported at a large number of stations, notably during the latter half of the week. There were a few moderate falls of rain, but the total amount for the week over the country generally was considerably below the normal, in fact, in many places, the week was rainless. Maximum temperature above 55°F. were recorded at a number of stations and at few places in Scotland readings slightly above 60°F. were registered. There were several screen minima below 32°F. recorded on various dates, the lowest being 20°F. at Balmoral on the 18th. Ground frosts were registered at most stations and in some places the readings of the grass thermometer were decidedly low for the time of the year, Rounton (N. Riding) having a reading of 17°F. on the 21st and Renfrew 15°F. on the 24th. There was a good deal of difference in the mean daily range of temperature in various parts of the country; in some parts of England the range was less than 10°F.

while at a few places in Scotland it was as much as 25°F. The mean temperature of the week was above the normal in practically all districts. Thunderstorms occurred at a few places on the 20th and 21st, notably, in the south-eastern parts of England. At Brighton there were storms on both days. Good sunshine records were obtained on several days during the week, amounts of 9 and 10 hours being registered in many places. The total amount of sunshine was slightly below the normal in the Midland counties and England S.E., but in all other districts it was above. The departure of the mean duration from the normal for the week ranged from +4.9 hours at Stornoway —1.7 hours at Marlborough (Wilts). Aurora was witnessed at Lerwick on the 21st and at Edinburgh, Crieff and Fort William on the 24th. Solar Halos were observed at Richmond (Kew Obs.), Farnborough, Oxford, and at Raunds on the 19th, at Norwich on the 22nd and at Clacton on the 19th and 22nd. A sun pillar was observed at Raunds on the 21st. The Zodiacal light was seen at Lincoln on the 18th and at Oxford on the 18th and 19th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahiriveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	—	—	7	3 1.5	5	3 1.4	1	4 1.9	10	5 2.2	—	—	3	7 3.3	8	5 2.4
North ...	—	—	6	5 2.1	12	3 1.4	18	5 2.2	10	8 3.7	—	—	16	5 2.3	11	3 1.5
West ...	—	—	2	15 6.5	5	3 1.5	4	3 1.4	5	4 1.6	—	—	5	9 3.9	5	4 1.7
East ...	—	—	14	6 2.8	18	11 4.9	16	8 3.6	19	13 6.0	—	—	15	12 5.4	14	8 3.5
Calm (or wind- speed < 4 m.p.h.)	—	—	12	—	5	—	8	—	4	—	—	—	7	—	9	—
No record ...	—	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.												
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Comparison with the normal for the time of year	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate
	Rainfall ..	Very Light	Very Light	Moderate	Moderate	Moderate	Nought	Nought	Light	—	—	Moderate
	Sunshine ..	—	Abundant	Abundant	Abundant	Moderate	—	Abundant	Moderate	Abundant	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 3 week from March 4th, 1923.	Warmth ..	2, 1, 0	0, 3, 0	0, 3, 0	0, 3, 0	0, 3, 0	0, 3, 0	1, 2, 0	0, 3, 0	0, 3, 0	—	—	0, 3, 0
	Rainfall ..	0, 0, 3	0, 1, 2	0, 1, 2	2, 1, 0	0, 3, 0	0, 3, 0	0, 1, 2	0, 1, 2	0, 1, 2	—	—	1, 2, 0
	Sunshine ..	—	1, 1, 1	1, 0, 2	1, 0, 2	0, 1, 2	0, 1, 2	—	1, 1, 1	0, 2, 1	2, 1, 0	—	0, 3, 0

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min. Lowest Reading	Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	48	22nd	36	20th	45.6	37.6	41.5	+2.9	1	0.09	2	15	Lerwick	6.0	48	—	—	—	—	—	
Orkneys	Deerness	160	p	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—		
Hebrides	Stornoway	51	t	53	20th	29	18, 31, 24	49.4	29.7	39.3	-0.6	0	0.00	0	23	Stornoway	8.4	69	—	—	—	—		
	Castlebay	37	t	51	19th	39	22nd	48.4	40.9	44.5	—	0	0.00	0	—	Castlebay	7.8	64	—	—	—	—		
Caitness	Wick	81	t	46	22nd	37	18, 20	44.1	39.1	41.5	+2.1	1	0.20	5	8	—	—	—	—	—	—	—		
Ross and Cromarty	Strathpeffer	125	a	53	18th	27	19th	49.8	29.7	39.5	-0.2	0	0.00	0	15	—	—	—	—	—	—	—		
	Achnashellach	225	h	61	18th	30	18, 21, 22	55.1	31.1	42.7	—	0	0.00	0	—	Achnashellach	—	6	25	—	—	—		
Inverness	Inverness	242	h	—	—	—	—	—	—	—	—	—	—	—	—	Inverness	—	—	—	—	—	—		
	Fort Augustus	68	a	55	20th	25	19th	48.4	31.3	39.6	-0.3	0	0.00	0	20	—	—	—	—	—	—	—		
	Fort William	171	p	60	18th	29	19, 23	56.7	31.3	43.6	+2.8	0	0.00	0	37	—	—	—	—	—	—	—		
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	46	18, 21	26	19th	44.0	29.1	36.3	-3.6	2	0.02	1	10	Nairn	5.5	45	—	—	—	—		
Elgin	Gordon Castle	101	p	56	18, 21	29	21st	52.0	30.6	41.0	+0.5	1	0.08	2	11	Gordon Castle	8.2	67	—	—	—	—		
Aberdeen	Aberdeen	46	t	51	21st	31	19th	47.7	35.9	41.6	—	2	0.03	1	13	Aberdeen	4.8	39	3	23	—	41.7		
	Balmoral	930	a	55	18th	20	18th	49.9	24.3	36.7	+0.3	0	0.00	0	17	Balmoral	—	7	18	—	—	+1.7		
Perth	Crieff	478	p	56	24th	26	19th	49.7	32.4	40.8	+0.3	0	0.00	0	18	(Kinc.) Crathes	6.1	50	2	21	40.7	40.9		
Forfar	Dundee	147	a	54	24th	30	19th	48.0	34.7	41.2	—	0	0.00	0	—	Dundee	4.9	40	1	28	42.4	—		
Fife	Inchkeith	190	t	51	24th	35	24th	46.3	37.0	41.5	—	0	0.00	0	—	Inchkeith	4.8	39	2	28	—	—		
Midlothian	Edinburgh	441	p	52	24th	32	24th	44.9	34.7	39.7	-0.5	0	0.00	0	10	Edinburgh	4.9	40	—	—	—	—		
Peebles	West Linton	770	a	51	24th	28	21, 24	46.0	30.4	38.0	+0.7	0	0.00	0	—	West Linton	—	6	18	—	—	—		
Berwick	Marchmont	498	a	55	21st	32	24th	49.7	35.3	42.3	+2.9	0	0.00	0	15	Marchmont	6.1	50	—	—	—	—		
6a. SCOTLAND, W.																								
Argyle	Ford	149	a	55	18, 22	24	24th	53.1	29.7	41.1	—	0	0.00	0	—	Ford	—	7	22	42.0	—	42.2		
Renfrew	Renfrew	49	t	55	24th	23	24th	50.0	33.6	41.6	—	0	0.00	0	—	Renfrew	5.6	46	4	15	—	—		
Bute	Rothsay	200	p	53	24th	33	24th	48.6	36.0	42.1	+0.5	0	0.00	0	20	Rothsay	7.6	62	1	25	41.4	43.0		
Ayr	Kilmarnock	90	a	58	18th	28	24th	54.3	33.6	43.6	+3.1	0	0.00	0	15	Kilmarnock	7.8	64	—	—	41.3	+0.9		
	Colmonell	170	a	59	18, 19, 22	26	24th	56.0	31.4	43.3	+2.2	0	0.00	0	18	Colmonell	—	6	21	—	—	43.2		
Dumfries	Dumfries	140	p	56	21, 22	27	23rd	53.9	32.3	42.8	+1.6	0	0.00	0	15	Dumfries	7.9	64	6	21	41.4	42.5		
	Eskdalemuir	794	t	53	24th	26	24th	50.1	31.1	40.3	—	0	0.00	0	—	Eskdalemuir	7.5	61	5	24	+1.2	+1.2		
6b. ISLE OF MAN.																								
I. of Man	Douglas	284	h	53	22nd	36	24th	50.9	39.4	45.0	+3.2	1	0.01	0.3	16	Douglas	7.4	61	1	29	—	—		
2. ENGLAND, N.E.																								
Northumb.	Cockle Park	324	p	52	24th	33	19, 24	48.3	34.7	41.3	+2.0	0	0.00	0	13	Cockle Park	6.5	53	5	21	41.4	41.8		
Derham	Tynemouth	118	t	53	24th	34	24th	47.4	38.6	42.9	+2.1	0	0.00	0	10	Tynemouth	—	1	29	—	—	+1.7		
Durham	Durham	336	p	54	24th	32	24th	48.3	34.6	41.3	+0.9	0	0.00	0	10	Durham	5.0	41	5	20	—	—		
York	Rounton	249	p	55	24th	31	21st	49.3	34.0	41.4	+1.2	0	0.00	0	10	Rounton	—	7	17	41.4	—	—		
N. Riding	West Witton	605	a	56	24th	32	23rd	50.7	34.4	42.3	—	0	0.00	0	—	West Witton	—	5	26	39.7	40.5	—		
	Scarborough	118	h	55	24th	37	23rd	48.9	38.9	43.8	+2.1	0	0.00	0	10	Scarborough	5.7	47	—	—	42.9	—		
	York	56	p	56	24th	33	21st	51.9	35.3	43.4	+1.5	0	0.00	0	10	York	6.2	51	—	—	42.2	+1.0		
E. Riding	Spurn Head	26	t	53	24th	36	23rd	48.1	38.1	43.0	+1.6	1	0.08	2	6	Spurn Head	4.6	38	—	—	—	—		
Lincoln	Lincoln	58	a	56	22nd	33	22nd	51.9	35.9	43.7	+1.7	1	0.15	4	5	Lincoln	—	1	30	41.5	42.3	+0.8		
	Cranwell	237	t	56	22nd	32	22nd	50.4	34.3	42.1	+0.2	1	0.20	5	5	Cranwell	6.2	51	0	31	—	—		
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	6.5	54	—	—	—	—		
3. ENGLAND, E.																								
Norfolk	Cromer	196	a	54	24th	37	23, 24	48.1	38.1	43.0	+1.5	4	0.17	4	6	Cromer	7.3	60	—	—	—	—		
	Yarmouth	13	t	54	24th	37	22nd	46.9	40.3	43.5	+2.5	1	0.27	7	5	Yarmouth	7.2	59	0	32	43.9	44.1		
	Norwich	93	a	56	21, 22	33	22nd	51.7	36.4	43.8	+1.8	1	0.21	5	9	Norwich	6.6	54	4	27	41.2	+0.2		
	Geldeston	37	a	55	22, 24	31	22nd	50.1	37.4	43.6	+1.8	2	0.26	7	5	Geldeston	6.5	53	—	—	—	—		
Cambridge	Cambridge	41	p	57	24th	31	20th	48.7	35.0	41.7	-0.4	3	0.22	5	5	Cambridge	4.3	35	5	26	43.0	43.9		
Hertford	Rothamsted	420	a	53	24th	32	19, 20	48.4	34.3	41.1	-0.2	3	0.25	6	8	Rothamsted	4.1	34	5	24	40.6	+0.5		
Middlesex	Tottenham	51	p	56	21, 24	34	20th	51.6	38.1	44.7	—	3	0.32	8	—	Tottenham	3.5	29	—	—	—	—		
Essex	Clacton-on-Sea	54	t	50	21st	34	22nd	47.4	39.9	43.5	+2.1	2	0.24	6	4	Clacton-on-Sea	4.6	38	0	31	43.8	44.4		
	Southend	90	h	55	24th	35	20th	50.0	38.6	44.1	—	4	0.34	9	—	Southend	4.0	33	0	34	43.4	0.0		
4. MIDLAND COUNTIES.																								
York	Harrogate	479	h	54	24th	32	18, 19	50.1	33.3	41.5	+1.6	1	0.01	0.2	13	Harrogate	6.4	52	5	26	40.7	41.6		
W. Riding	Sheffield	429	p	56	24th	34	23rd	50.4	36.7	43.4	—	0	0.00	0	13	Sheffield	3.4	28	0	32	40.5	41.2		
Derby	Buxton	987	p	52	21, 24	33	21, 23	48.6	34.4	41.3	+3.0	0	0.00	0.1	22	Buxton	4.8	39	1	28	39.5	40.6		
Nottingham	Workshop (Hods'ckP)	56	a	59	24th	30	19th	52.9	34.7	43.5	+1.9	1	0.01	0.3	10	Workshop	5.2	43	7	21	42.6	42.9		
	Nottingham	82	t	55	22, 24	36	23rd	50.6	37.3	43.8	+2.4	2	0.08	2	7	Nottingham	3.7	0	31	0	41.2	41.5		
Warwick	Birmingham (Edg.)	525	p	53	24th	34	24th	48.0	36.3	42.0	+0.8	3	0.41	10	1	Birmingham	1.9	16	0	31	41.4	43.9		
Northampton	Raunds	213	a	56	30, 31, 24	31	20th	52.6	35.9	44.0	+2.6	2	0.24	6	4	Raunds	4.0	33	1	29	42.3	+0.8		
Oxford	Oxford	208	p	55	24th	34	20th	48.9	36.4	42.5	+0.4	4	0.62	16	6	Oxford	2.3	19	2	29	—	—		
Stafford	Cheadle	646	a	55	24th	34	20th	50.3	35.0	42.4	+2.2	1	0.01	0.2	13	Cheadle	—	7	25	—	—	—		
Worcester	Tenbury	313	p	54	24th	31	24th	49.1	34.1	41.4	-0.3	3	0.23	6	3	Tenbury	—	5	29	—	—	—		
	Malvern	377	h	53	24th	33	24th	47.0	37.0	41.9	—	4	0.40	10	—	Malvern	3.3	27	0	31	42.1	—		
Hereford	Hereford	291	a	—	—	—	—	—	—	—	—	—	—	—	—	Ross on Wye	3.3	27	2	30				

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Highest.	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 24th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.										
Shetlands Lerwick ...	310	42	†	—	0	24	6	30	100	32	0	30	28	13	24	15	38	17	24	14	5
Orkneys **Deerness (Cup Anr.)	168	16	5	Instrument out of action.																	
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	†	—	0	—	0	10	105	53	0	300	21	9	24	12	36	16	24	12	15
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	12	91	65	0	290	18	8	24	15	26	12	24	14	30
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	5	140	23	0	80	14	6	19	15	27	12	20	13	30
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	43	111	13	1	50	20	9	19	16	29	13	19	14	30
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	—	0	15	99	54	0	280	16	7	24	14	25	11	24	13	55
York, E.R. Spurn Head ...	67	41	†	—	0	—	0	69	98	1	0	60	20	9	19	18	31	14	24	9	20
Lincoln Crauwell ...	280	43	31	—	0	—	0	16	(152)	(0)	0	90	17	8	19	11	22	10	19	17	20
3. ENGLAND, E.																					
Norfolk Gorleston ...	62	42	†	—	0	—	0	47	76	45	0	100	23	10	19	9	30	13	19	9	0
Essex Shoeburyness...	103	90	†	—	0	18	3	41	64	60	0	80	25	11	18	9	33	15	18	9	20
5. ENGLAND, S.E.																					
Surrey Richmond	82	65	22	—	0	—	0	21	69	78	0	70	23	10	18	13	33	15	18	13	5
(Kew Obs.)...	409	70	†	—	0	18	2	40	102	24	0	50	26	12	18	14	36	16	18	14	20
Kent Lympe ...	284	40	24	—	0	—	0	19	96	53	0	60	22	10	18	12	35	16	18	12	40
Surrey Croydon ...																					
Hampshire Petersfield	811	42	†	—	0	—	0	20	85	56	7	40	17	8	18	15	29	13	18	15	5
(Stoner Hill)...	261	53	6	—	0	—	0	50	70	48	0	—	18	8	18	15	36	16	20	21	50
Sussex Brighton ...	444	160	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hampshire S. Farnboro' ...																					
(Pye's Tr.)...	513	63	43	—	0	18	2	60	(106)	(0)	0	40	25	11	18	15	33	15	18	14	50
Wiltshire Larkhill, S'y Plain ...																					
7a. ENGLAND, N.W.																					
Lancashire Fleetwood	109	44	—	—	0	—	0	28	118	22	0	70	18	8	19	16	—	—	—	—	—
(Cup Anr.)...	80	62	48	—	0	18, 19	4	60	100	4	0	90	26	12	18	16	39	17	18	16	5
Lancashire Southport ...																					
7b. NORTH WALES.																					
Anglesey Holyhead ...	74	45	†	—	0	18, 19	18	47	86	17	0	60	35	16	18	4	43	19	18	4	10
Anglesey Holyhead ...																					
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cornwall Pendennis	256	65	24	—	0	18, 19	2	53	43	70	0	80	26	11	18	23	34	15	18	0	20
Castle ...																					
10. IRELAND, S.																					
Dublin Kingstown	49	27	—	—	0	18, 19	8	55	66	39	0	80	26	12	18	22	—	—	—	—	—
(Cup Anr.)...	100	40	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Clare Quilty ...																					
Kerry Cahirciveen	98	41	†	—	0	—	0	22	90	56	0	130	22	10	24	23	38	17	24	23	0
(Val. Obs.)...	160	30	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cork Weaver Pt. ...																					
11a. SCILLY ISLES.																					
Scilly St. Mary's	160	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)	TWELFTH WEEK of 1923—March 18th to March 24th, 1923.																	
	Temperature of the Air.										Rainfall.					Sunshine.		
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall			Daily Mean	Deviation from Normal	Percentage of Possible Duration
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.	mm.			
0. SCOTLAND, NORTH ..	61	25	49.9	32.8	41.1	+1.5	22	+10	28	+2	0	-5	0.04	1	-23	hr.	hr.	%
Eastern.																		
1. SCOTLAND, EAST ..	56	20	48.2	31.9	39.8	0.0	17	+2	33	+4	1	-3	0.02	1	-13	5.4	+1.5	44
2. ENGLAND, N.E. ..	56	31	49.4	36.0	42.5	+1.3	20	+2	17	-6	0	-4	0.05	1	-9	6.0	+1.7	49
3. ENGLAND, EAST ..	57	31	49.1	37.4	43.1	+1.5	21	-1	13	-11	2	-2	0.24	6	-6	5.4	+1.1	44
4. MIDLAND COUNTIES	59	30	50.2	35.5	42.7	+1.4	23	+1	18	-8	2	-2	0.20	5	-6	3.7	-0.1	30
5. ENGLAND, S.E. ..	56	32	50.1	38.3	44.0	+1.5	24	+2	10	-9	3	-1	0.31	8	-4	4.1	-0.3	34
Western.																		
6. SCOTLAND, WEST (and Isle of Man)	59	23	52.4	33.7	42.8	+1.6	29	+12	23	+3	0	-4	0.00	0	-20	—	—	—
7. ENGLAND, N.W. (and North Wales)	57	25	51.8	36.7	44.0	+2.3	29	+12	15	-5	0	-4	0.00	0	-13	5.8	+1.8	48
8. ENGLAND, S.W. (and South Wales)	57	30	49.9	37.3	43.4	+0.6	23	+1	13	-3	1	-3	0.13	3	-14	4.5	+0.1	37
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.3	+1.5	43
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	56	37	52.4	42.5	47.3	+1.8	37	+8	0	-5	2	-2	0.12	3	-12	5.8	+0.9	48
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks, March 4th to March 24th 1923.																		
0. SCOTLAND, NORTH ..	61	25	48.1	35.4	41.6	+2.6	51	+24	60	-29	6	-9	0.81	21	-58			1019
Eastern.																		
1. SCOTLAND, EAST ..	56	20	46.5	34.2	40.1	+1.0	38	+3	77	-21	7	-6	0.66	17	-27	3.5	0.0	30
2. ENGLAND, N.E. ..	56	25	46.1	36.4	41.1	+0.5	33	-14	52	-26	8	-4	0.58	15	-16	2.9	-1.0	25
3. ENGLAND, EAST ..	57	25	46.4	37.0	41.6	+0.7	38	-19	47	-31	11	0	1.30	32	+1	2.7	-1.1	23
4. MIDLAND COUNTIES	59	28	47.0	36.1	41.4	+0.6	42	-16	55	-27	9	-2	0.77	20	-12	2.0	-1.4	17
5. ENGLAND, S.E. ..	56	28	47.6	37.9	42.6	+0.7	49	-10	36	-25	11	0	1.21	31	-5	2.6	-1.2	22
Western.																		
6. SCOTLAND, WEST (and Isle of Man)	59	23	49.6	35.5	42.4	+1.7	63	+23	54	-14	5	-8	1.09	28	-35	—	—	—
7. ENGLAND, N.W. (and North Wales)	57	25	48.4	37.6	42.8	+1.6	54	+10	37	-26	6	-6	0.38	9	-34	3.6	+0.2	31
8. ENGLAND, S.W. (and South Wales)	57	30	48.5	38.2	43.2	+0.9	56	-4	32	-21	7	-5	0.79	19	-33	3.6	-0.3	30
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.2	+0.9	36
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	56	35	50.7	42.2	46.3	+1.2	90	+7	0	-19	11	-2	1.24	32	-13	4.7	+0.1	40
MEAN: DISTRICTS 1-10..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 12 Weeks, December 31st, 1922, to March 24th, 1923.																		
0. SCOTLAND, NORTH ..	61	25	45.6	36.8	41.2	+2.9	134	+53	198	-197	57	-4	13.46	342	-12			1007
Eastern.																		
1. SCOTLAND, EAST ..	56	20	44.5	35.7	40.1	+2.3	114	+22	274	-177	53	+4	7.68	197	+26	2.0	-0.4	21
2. ENGLAND, N.E. ..	58	25	45.5	36.9	41.2	+2.2	150	+33	217	-149	45	-1	5.50	142	+22	2.2	-0.3	23
3. ENGLAND, EAST ..	60	23	46.4	36.9	41.7	+2.7	177	+39	201	-196	51	+5	5.91	149	+29	2.3	-0.3	23
4. MIDLAND COUNTIES	61	22	46.7	36.5	41.7	+2.7	184	+38	215	-183	50	+4	7.97	203	+65	1.9	-0.4	19
5. ENGLAND, S.E. ..	56	22	47.6	37.7	42.7	+2.4	219	+56	159	-147	51	+6	7.42	189	+39	2.3	-0.3	24
Western.																		
6. SCOTLAND, WEST (and Isle of Man)	59	20	46.8	37.1	42.0	+2.3	190	+73	190	-120	56	+1	12.20	310	+22	—	—	—
7. ENGLAND, N.W. (and North Wales)	57	24	47.1	38.6	42.9	+2.9	206	+78	133	-166	54	+5	7.68	195	+4	2.0	-0.3	21
8. ENGLAND, S.W. (and South Wales)	57	24	48.3	39.1	43.7	+2.3	252	+64	108	-133	54	+4	12.17	309	+80	2.4	-0.2	25
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.4	+0.2	26
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	56	32	50.3	43.0	46.7	+2.3	396	+102	3	-90	60	+5	9.54	243	+48	2.9	-0.2	29
MEAN: DISTRICTS 1-10 ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
30th March, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 53

9 APR 1923

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses: IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

FORTY-SIXTH YEAR. } No. 13.
Vol. XL. (New Series)

THIRTEENTH WEEK.

SUNDAY, MARCH 25TH, TO SATURDAY, MARCH 31ST, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

The week was notable for the high day temperatures recorded in many parts of the country, notably on the 27th, when maximum readings of between 60°F. and 65°F. were registered in several places, while at a few stations in the eastern and south-eastern parts of England readings round about 70°F. were obtained. On the other hand at one or two of our extreme northern stations the highest temperatures of the week did not rise above 50°F. There were a few screen minima below 32°F. in the northern parts of the country, the lowest being 24°F. at West Linton (Peebles) on the 26th, but in most other places the night readings were fairly high. Ground frosts were recorded in most places during the week; amongst the lowest readings of the grass thermometer being 17°F. at Renfrew on the 26th and 18°F. at Rhayader (Radnor) on the 30th. The mean temperature for the week was considerably in excess of the normal in all districts. The mean daily range of temperature at one or two Scottish stations was less than 5°F., whereas in most other parts of the

country it varied between 10°F. and 20°F. The weather of the week, as a whole, was fair to cloudy with very bright intervals. Showers fell in most parts of the Kingdom and in a few places rainfall measurements of between 10 and 20mm. were recorded, but the total amount for the week was below the normal in most districts. Sunshine varied a good deal, the mean departure from the normal for the week ranging from +2.3 hours at Margate to -2.2 hours at Newquay. Amongst the largest individual amounts were 10.9 hours at Crathes (Kincardine) on the 26th, 10.9 hours at Folkestone, 10.6 hours at Eastbourne 10.4 at St. Leonards, 10.3 hours at Cromer and Margate and 10.2 hours at Norwich on the 27th, 10.9 hours at Douglas (Isle of Man) and 10.6 hours at Cockle Park (Northumberland) and Gordon Castle (Elgin) and 10.5 hours at Gorleston on the 29th. Thunder and lightning occurred in several places and at one or two stations hail was reported. Solar and lunar halos were observed at a number of stations on various days during the week.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM			SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.			
			Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		
				m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s	m.p.h
South	...	...	—	—	—	15	9	4.1	17	7	3.1	18	7	3.0	23	9	4.0	17	13	5.8	21	10	4.4	18	15	6.6	
North	...	...	—	—	—	1	4	2.0	0	—	—	0	—	—	2	6	2.6	5	5	2.2	2	2	0.7	9	6	2.8	
West	...	...	—	—	—	6	8	3.6	3	1	0.6	9	3	1.4	7	4	1.9	13	15	6.7	4	12	5.2	11	10	4.3	
East	...	...	—	—	—	6	4	1.6	10	6	2.5	5	4	1.9	16	4	1.6	12	6	2.9	18	5	2.2	15	6	2.7	
Calm (or wind- speed < 4 m.p.h.)			—	—	—	12	—	—	11	—	—	10	—	—	3	—	—	0	—	—	4	—	—	1	—	—	
No record			...	—	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.	
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).		
Comparison with the normal for the time of year ..	{	Warmth ..	Unusual	Unusual	Unusual	Very Unusual	Unusual	Very Unusual	Unusual	Very Unusual	Unusual	—	—	Very Unusual
		Rainfall ..	Very Light	Light	Heavy	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
		Sunshine ..	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	—	Moderate	Scanty	Moderate	—	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 4 weeks from March 4th, 1923.	Warmth ..	3, 1, 0	1, 3, 0	1, 3, 0	1, 3, 0	1, 3, 0	1, 3, 0	2, 2, 0	1, 3, 0	1, 3, 0	—	—	1, 3, 0
	Rainfall ..	0, 0, 4	0, 1, 3	1, 1, 2	2, 2, 0	1, 3, 0	0, 4, 0	0, 2, 2	0, 2, 2	0, 2, 2	—	—	1, 3, 0
	Sunshine ..	2, 2, 0	1, 2, 1	1, 1, 2	1, 1, 2	0, 1, 3	0, 2, 2	—	1, 2, 1	0, 2, 2	2, 2, 0	—	0, 4, 0

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.*

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground	Frost	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.		Ft.		°P		°F		°P	°F	°F.					hr.	hr	%		°F.	°F.	°F.	°F.	°F	
Shetlands	Lerwick	54	t	50	26th	32	31st	44.7	39.3	41.9	+2.6	1	0.02	1	14	18	—	—	—	—	—	—		
Orkneys	Deerness	160	p	48	25-28	39	30, 31	46.0	41.4	43.6	+3.6	4	0.05	1	13	26	—	—	—	—	—	—		
Hebrides	Stornoway	51	t	55	27th	28	25th	53.1	38.6	45.6	+4.8	4	0.27	7	13	35	—	—	—	—	—	—		
	Castlebay	37	t	51	28th	43	25th	49.7	45.9	47.7	—	3	0.48	12	—	31	—	—	—	—	—	—		
Caithness	Wick	81	t	49	28th	37	25th	46.4	41.0	43.6	+3.3	3	0.13	3	9	—	—	—	—	—	—	—		
Ross and Cromarty	Strathpeffer	125	a	61	27, 28	30	25th	56.9	37.1	46.7	+5.9	4	0.15	4	9	—	—	—	—	—	—	—		
Inverness	Achnashellach	225	h	61	27th	29	25th	57.7	39.7	48.4	—	4	0.22	5	—	—	—	—	—	—	—	—		
	Inverness	242	h	—	—	—	—	—	—	—	—	—	—	—	—	1	24	—	—	—	—	—		
	Fort Augustus	68	a	60	26-28	27	25th	58.3	36.4	47.0	+6.1	3	0.24	6	11	—	—	—	—	—	—	—		
	Fort William	171	p	62	27th	30	25th	57.0	41.3	48.9	+7.0	5	0.42	11	21	—	—	—	—	—	—	—		
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	60	27th	30	25th	55.7	37.9	46.5	+5.9	2	0.02	0.4	10	39	—	—	—	—	—	—	—	
Elgin	Gordon Castle	101	p	63	28th	34	31st	58.9	40.1	49.2	+8.1	0	0.00	0	12	57	—	—	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	52	25, 26, 29	33	25th	49.0	39.9	44.3	—	2	0.07	2	11	34	2	24	—	—	—	42.3	+1.8	
	Balmoral	930	a	56	27th	25	25th	52.3	33.6	42.7	+5.5	4	0.29	7	9	21	1	29	—	—	—	43.6	—	
Perth	Crieff	478	p	58	26, 27	32	25th	52.4	39.0	45.5	+4.2	5	0.45	11	5	37	2	24	43.0	—	—	41.6	—	
Forfar	Dundee	147	a	56	29th	33	26th	49.7	38.6	44.0	—	3	0.52	13	—	22	2	28	44.0	—	—	—	—	
Fife	Inchkeith	190	t	60	27th	38	25, 26	52.3	41.1	46.5	—	1	0.17	4	—	30	2	29	—	—	—	—	—	
Midlothian	Edinburgh	441	p	64	27th	36	25th	54.7	40.7	47.5	+6.7	3	0.18	5	4	32	—	—	—	—	—	—	—	
Peebles	West Linton	770	a	63	27th	24	26th	55.6	34.4	44.7	+6.6	2	0.14	4	—	4	20	—	—	—	—	—	—	
Berwick	Marchmont	498	a	64	27th	32	31st	55.6	37.3	46.2	+6.1	4	0.39	10	4	34	—	—	—	—	—	—	—	
6a. SCOTLAND, W.																								
Argyle	Ford	149	a	56	26, 29	30	25th	53.4	39.1	46.0	—	4	0.70	18	—	2	24	43.4	—	—	—	42.8	—	
Renfrew	Renfrew	49	t	61	26th	26	25th	54.7	37.4	45.8	—	3	0.24	6	—	17	4	17	—	—	—	—	—	
Bute	Rothsay	200	p	54	26th	38	26th	51.0	41.7	46.2	+3.9	4	0.94	24	3	21	1	29	44.1	—	—	43.6	+1.1	
Ayr	Kilmarnock	90	a	62	26, 27, 29	33	25, 26	58.1	38.6	48.1	+6.9	3	0.56	14	1	29	—	—	—	—	—	43.5	—	
	Colmonell	170	a	58	26, 29	33	25, 26	56.1	39.9	47.8	+6.1	2	0.40	10	9	—	1	29	—	—	—	—	—	
Dumfries	Dumfries	140	p	63	27th	33	26th	56.3	37.9	46.8	+4.8	4	0.22	6	10	25	5	25	44.5	—	—	43.2	+1.5	
	Eskdalemuir	794	t	61	27th	30	31st	53.7	35.9	44.5	—	3	0.25	6	—	37	3	26	—	—	—	—	—	
6b. ISLE OF MAN.																								
I. of Man	Douglas	284	h	55	29th	37	29, 30	51.9	41.6	46.6	+4.2	4	0.24	6	11	38	1	30	—	—	—	—	—	
2. ENGLAND, N.E.																								
Northumb.	Cockle Park	324	p	58	25th	31	31st	53.3	35.7	44.2	+4.2	4	0.58	15	2	35	4	20	43.0	+3.3	42.9	+2.2	—	
berland	Tynemouth	118	t	58	25th	33	31st	50.7	39.6	45.0	+3.5	3	0.56	14	5	1	29	—	—	—	—	—	—	
Durham	Durham	336	p	65	27th	31	25, 26, 29	54.7	35.1	44.6	+3.5	3	0.80	20	10	37	5	20	—	—	—	—	—	
York	Rounton	249	p	67	27th	31	26th	57.9	36.6	46.9	+5.9	3	0.40	10	0	6	19	42.9	—	—	—	—	—	
N. Riding	West Witton	605	a	63	27th	32	25th	53.9	38.6	46.0	—	5	0.65	17	—	3	26	42.1	—	—	—	41.0	—	
	Scarborough	118	h	59	27th	38	25, 30	53.1	42.0	47.4	+5.0	4	0.36	9	1	30	—	—	—	—	—	44.4	—	
	York	56	p	66	27th	32	26th	57.3	39.9	41.3	+5.5	4	0.76	19	9	29	—	44.7	+2.9	43.3	+1.2	—	—	
E. Riding	Spurn Head	26	t	56	25th	37	30th	52.0	40.9	46.3	+4.1	4	0.37	9	2	18	—	—	—	—	—	—	—	
Lincoln	Lincoln	58	a	62	27th	34	30th	58.1	40.3	48.9	+5.9	4	0.55	14	5	0	33	44.9	+3.5	43.4	+1.4	—	—	
	Cranwell	237	t	67	27th	33	30th	58.3	39.0	48.4	+5.5	6	0.50	13	4	30	3	28	—	—	—	—	—	
3. ENGLAND, E.																								
Norfolk	Cromer	196	a	69	27th	36	30th	60.3	41.1	50.4	+7.7	4	0.15	4	2	51	—	—	—	—	—	—	—	
	Yarmouth	13	t	58	28th	39	25, 30	51.1	42.0	46.4	+4.1	4	0.28	7	1	56	2	29	47.0	+3.4	45.4	+0.6	—	
	Norwich	93	a	69	27th	35	25th	61.1	40.6	50.6	+7.4	3	0.08	2	7	45	2	30	45.5	—	—	—	—	
	Gedleston	37	a	69	27th	34	25th	60.6	41.0	50.5	+7.5	4	0.19	5	3	55	—	—	—	—	—	—	—	
Cambridge	Cambridge	41	p	67	27th	36	25th	60.4	41.3	50.6	+7.1	3	0.11	3	4	31	2	26	46.6	+3.2	44.9	+0.9	—	
Hertford	Rothamsted	420	a	64	27th	38	25th	56.0	41.6	48.6	+5.9	7	0.28	7	2	22	1	26	45.2	—	—	—	—	
Middlesex	Tottenham	51	p	68	27th	40	25th	59.6	45.4	52.3	—	5	0.51	13	—	26	—	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	56	28th	42	30th	53.3	45.3	49.2	+6.5	1	0.04	1	6	54	1	30	47.9	+4.2	45.8	+0.9	—	
	Southend	90	h	68	27th	39	30th	60.3	45.0	52.4	—	2	0.25	6	—	48	0	39	48.4	—	—	—	—	
4. MIDLAND COUNTIES.																								
York	Harrogate	479	h	63	27th	34	26th	55.7	39.0	47.1	+5.8	4	0.76	19	7	29	2	27	43.5	+3.1	42.9	+1.8	—	
W. Riding	Sheffield	429	p	66	27th	36	30th	56.6	41.0	48.6	—	4	0.86	22	10	24	2	30	43.5	+2.8	42.1	+0.9	—	
Derby	Buxton	987	p	61	27th	30	26th	54.3	36.6	45.2	+5.4	3	0.78	20	1	28	2	28	43.4	+3.7	41.4	+0.7	—	
Nottingham	Worksop (Hods'ckP)	56	a	68	27th	29	26th	58.9	37.3	47.8	+4.8	5	1.17	30	21	24	4	24	45.6	—	—	44.2	—	
	Nottingham	82	t	66	27th	31	26, 30	57.6	38.4	47.7	+4.8	5	0.24	6	2	18	3	29	44.5	+3.4	42.5	+1.6	—	
Warwick	Birmingham (Edg.)	525	h	64	27th	36	30th	55.9	42.4	49.0	+6.3	5	0.33	8	2	19	2	27	44.8	+3.6	44.1	+0.9	—	
Northampton	Raunds	213	a	66	27th	35	26th	58.9	40.6	49.5	+6.5	3	0.11	3	6	27	0	31	46.4	—	—	—	—	
Oxford	Oxford	208	p	67	27th	38	26th	57.4	43.3	50.1	+6.													

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean									Ground	Frosts	Lowest	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.	*F.	*F.	*F.	*F.	*F.	*F.	*F.	in.	mm.	mm.	Aberystwyth	Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.				
Cardigan	Aberystwyth ...	16	t	62	27th	37	26th	54.6	43.9	49.1	5	0.49	12	—	3.1	- 1.6	24	—	—	—	—				
Pembroke	St. Ann's Hd. ...	149	t	54	25th	40	26th	50.9	44.4	47.6	+3.6	4	0.65	17	+ 5	3.9	- 1.2	31	—	—	—				
Radnor	Rhayader... ..	757	a	61	27th	29	30th	53.3	38.4	45.6	—	4	0.61	15	—	2.6	—	20	3	18	—				
Glamorgan	Cardiff	202	p	60	27th	36	26th	55.7	41.7	48.5	+5.0	3	0.46	12	- 4	Cardiff ..	4.1	—	32	0	31	46.9	+3.8	45.4	+1.5
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	64	27th	37	26th	57.9	43.6	50.5	+6.6	4	0.26	7	- 5	Rath ..	3.0	- 1.7	24	—	—	47.1	—	46.0	—
Dorset	Shaftesbury ...	722	a	59	27th	35	25th	52.9	40.6	46.6	+4.1	3	0.70	18	+ 6	Shaftesbury ..	—	—	—	—	—	47.1	—	45.1	—
Devon	Portland Bill ...	19	t	53	25, 27, 31	44	25-27	51.6	44.7	48.1	+3.6	5	0.35	9	0	Weymouth ..	4.0	—	32	—	—	—	—	—	—
	Arlington	613	a	58	27th	38	26th	54.1	41.5	47.6	+4.9	4	0.50	13	- 6	Cullompton ..	2.4	- 1.3	19	0	31	48.2	—	—	—
	Cullompton	202	a	62	25th	41	26, 30	57.7	43.4	50.3	+6.1	5	0.64	16	+ 2	Plymouth ..	3.0	- 2.1	24	0	36	48.5	+3.1	47.3	—
	Plymouth... ..	116	p	58	25th	42	26th	55.1	45.9	50.4	+5.0	6	0.36	9	+ 5										
Cornwall	Newquay	190	h	55	25, 27, 30	41	26th	53.1	45.4	49.1	+3.8	5	0.24	6	- 6	Newquay ..	3.0	- 2.2	24	—	—	47.9	—	47.5	—
	Falmouth... ..	167	h	59	25th	43	29, 31	53.7	45.4	49.4	+4.0	6	0.48	12	- 5	Falmouth ..	3.4	- 1.9	27	0	37	49.7	—	48.6	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	57	29th	36	29th	52.7	41.0	46.7	+4.0	2	0.24	6	- 9	Malin Head ..	4.4	—	35	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Mallarany	120	a	58	26th	38	31st	54.6	42.6	48.4	—	4	0.73	19	—	Mallarany ..	5.1	—	41	2	28	—	—	—	—
Sligo	Markree Castle ...	122	p	57	26, 29	30	29th	54.9	39.9	47.2	+4.3	5	1.10	28	+ 8	Markree Castle	4.0	- 0.1	32	2	26	46.1	+2.0	45.2	+1.0
Armagh	Armagh	204	p	58	28th	32	26th	54.1	40.3	47.0	+4.4	4	0.41	10	- 5	Armagh ..	4.1	0.0	32	2	25	45.1	+2.2	44.8	+1.2
Down	Donaghadee ...	35	t	55	25th	37	26th	52.1	43.3	47.6	+4.6	4	0.34	9	- 6										
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	57	29th	38	26th	53.7	43.0	48.2	+3.3	5	0.49	12	- 1	Trinity Coll. Phoenix Park	3.0	- 1.8	24	2	23	46.5	+2.3	46.1	+1.2
King's County	Birr Castle ...	175	t	57	26th	32	29th	54.4	41.1	47.6	+4.4	6	0.88	21	+ 7	Dublin City ..	—	—	0	31	—	—	—	—	—
Kilkenny	Kilkenny	195	a	57	25th	31	29th	54.1	40.7	47.2	+3.5	6	0.69	17	+ 2	Birr Castle ..	3.8	- 0.6	30	2	25	—	—	—	—
Waterford	Waterford	137	a	57	26th	36	29th	55.0	42.0	48.3	+3.8	7	1.19	30	+13										
	Seskin, Carrick-on-Suir	542	p	55	25th	36	29th	52.3	40.4	46.2	—	6	1.68	43	—	Seskin ..	3.0	—	23	2	28	—	—	—	—
Limerick	Foynes	50	a	—	—	—	—	—	—	—	—	—	—	—	—										
Kerry	Cahiriveen (Val.O.)	30	t	55	27th	35	31st	53.0	45.4	49.1	+3.3	6	1.95	50	+23	Cahiriveen	—	—	—	0	34	—	—	—	—
	Killarney	174	a	—	—	—	—	—	—	—	—	—	—	—	—	(Valencia O.)									
Cork	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	3.2	- 1.9	26	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	56	25th	45	26, 31	53.9	46.4	50.0	+3.0	5	0.31	8	- 4	Scilly ..	4.2	- 1.3	33	—	—	—	—	—	—
Guernsey	Grange	173	p	62	26, 27	45	29th	57.9	46.9	52.2	+5.2	3	0.33	9	- 3	Grange ..	5.5	- 0.4	43	0	41	50.9	+4.5	48.5	+1.8
Jersey	St. Aubins	25	t	62	26th	45	29th	58.3	46.9	52.4	+5.7	2	0.13	3	- 9	St. Heliers ..	4.8	- 1.1	38	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, March 31st, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTEENTH WEEK of 1923—March 25th to March 31st, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
0. SCOTLAND, NORTH ..		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
Eastern.		62	27	53.4	39.1	46.0	+5.5	36	+21	8	-17	3	-2	0.21	5	-16	3.9	-0.1	30	1018
1. SCOTLAND, EAST ..		64	24	54.0	37.9	45.7	+5.2	37	+18	11	-17	3	-1	0.19	5	-8	4.2	+0.2	33	1020
2. ENGLAND, N.E. ..		67	31	55.0	38.8	46.7	+4.7	42	+21	9	-12	4	0	0.54	14	+4	4.1	-0.3	32	1021
3. ENGLAND, EAST ..		69	34	57.8	42.3	49.8	+6.9	55	+28	0	-21	4	+1	0.21	5	-3	5.3	+0.7	42	1023
4. MIDLAND COUNTIES		68	29	56.8	40.2	48.2	+5.4	48	+20	5	-18	4	+1	0.54	14	+4	2.9	-1.3	23	1021
5. ENGLAND, S.E. ..		68	35	57.2	44.2	50.5	+6.5	59	+30	0	-15	4	+1	0.38	10	+1	4.9	+0.1	39	1022
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		63	26	54.5	39.5	46.8	+4.9	41	+20	7	-13	3	-1	0.47	12	-8	—	—	—	1020
7. ENGLAND, N.W. (and North Wales)		66	28	56.7	40.8	48.5	+5.8	49	+27	3	-14	4	0	0.43	11	-4	4.2	-0.3	33	1019
8. ENGLAND, S.W. (and South Wales)		64	29	54.3	43.0	48.5	+4.4	45	+17	0	-14	4	0	0.50	13	-2	3.1	-1.8	24	1019
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.1	0.0	32	1017
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		62	45	56.7	46.7	51.5	+4.6	67	+30	0	-4	3	-1	0.26	7	-5	4.8	-1.0	38	1020
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, March 4th to March 31st 1923.																				
0. SCOTLAND, NORTH ..		62	25	49.5	36.3	42.7	+3.3	87	+45	68	-46	9	-11	1.02	26	-74	4.9	+1.7	41	1019
Eastern.																				
1. SCOTLAND, EAST ..		64	20	48.4	35.1	41.5	+2.0	75	+21	88	-38	10	-7	0.85	22	-35	3.7	+0.1	31	1020
2. ENGLAND, N.E. ..		67	25	48.3	37.0	42.5	+1.6	75	+7	61	-38	12	-4	1.12	29	-12	3.2	-0.8	27	1020
3. ENGLAND, EAST ..		69	25	49.3	38.3	43.6	+2.2	93	+9	47	-52	15	+1	1.51	37	-2	3.4	-0.6	28	1020
4. MIDLAND COUNTIES		68	28	49.5	37.1	43.1	+1.8	90	+4	60	-45	13	-1	1.31	34	-8	2.2	-1.4	19	1019
5. ENGLAND, S.E. ..		68	28	50.0	39.5	44.6	+2.1	108	+20	36	-40	15	+1	1.59	41	-4	3.2	-0.9	27	1019
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		63	23	50.9	36.5	43.5	+2.5	104	+43	61	-27	8	-9	1.56	40	-43	—	—	—	1020
7. ENGLAND, N.W. (and North Wales)		66	25	50.5	38.4	44.2	+2.7	103	+37	40	-40	10	-6	0.81	20	-38	3.7	0.0	31	1019
8. ENGLAND, S.W. (and South Wales)		64	29	49.9	39.4	44.5	+1.7	101	+13	32	-35	11	-5	1.29	32	-35	3.5	-0.6	29	1018
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.2	+0.7	35	1018
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		62	35	52.2	43.3	47.6	+2.1	157	+37	0	-23	14	-3	1.50	39	-18	4.7	-0.2	39	1018
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 13 Weeks, December 31st, 1922, to March 31st, 1923.																				
0. SCOTLAND, NORTH ..		62	25	46.2	37.0	41.6	+3.1	170	+74	206	-214	60	-6	13.67	347	-28	2.2	+0.3	24	1007
Eastern.																				
1. SCOTLAND, EAST ..		64	20	45.3	35.8	40.5	+2.5	151	+40	285	-194	56	+3	7.87	202	+18	2.2	-0.3	23	1009
2. ENGLAND, N.E. ..		67	25	46.2	37.0	41.6	+2.3	192	+54	226	-161	49	-1	6.04	156	+26	2.3	-0.3	24	1012
3. ENGLAND, EAST ..		69	23	47.3	37.3	42.3	+3.0	232	+67	201	-207	55	+6	6.12	154	+26	2.5	-0.3	25	1014
4. MIDLAND COUNTIES		68	22	47.4	36.8	42.2	+2.9	232	+58	220	-201	54	+5	8.51	217	+69	1.9	-0.5	20	1013
5. ENGLAND, S.E. ..		68	22	48.3	38.2	43.3	+2.7	278	+86	159	-162	55	+7	7.80	199	+40	2.5	-0.3	25	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		63	20	47.4	37.3	42.3	+2.4	231	+93	197	-133	59	0	12.67	322	+14	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		66	24	47.8	38.8	43.3	+3.1	255	+105	136	-180	58	+5	8.11	206	0	2.2	-0.2	22	1012
8. ENGLAND, S.W. (and South Wales)		64	24	48.7	39.4	44.1	+2.5	297	+81	108	-147	58	+4	12.67	322	+78	2.5	-0.2	25	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.6	+0.3	26	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		62	32	50.8	43.2	47.0	+2.4	463	+132	3	-94	63	+4	9.80	250	+43	3.1	-0.2	30	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
6th April, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 14.
Vol. XL. (New Series)

FOURTEENTH WEEK.

SUNDAY, APRIL 1ST, TO SATURDAY, APRIL 7TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

The general character of the weather during the week was fair to cloudy, with bright intervals. Showers fell in most places and hail occurred at a few of our northern stations. Several good records of sunshine were obtained during the latter half of the week, a number of places having measurements of more than 11 hours. Amongst the largest amounts were 11·9 hours at Lympne and 11·5 hours at Lowestoft on the 4th, 12·0 hours at Southampton (Calshot) and 11·4 hours at Cardiff and Portsmouth on the 7th, while Norwich had 11·9 hours and 12·2 hours and Cromer 11·6 hours and 11·3 hours on the 4th and 5th respectively. The total amount of sunshine for the week, with the exception of one or two of our coast stations, was considerably less than the normal. The departure of the mean duration from the normal for the week ranged from +0·9 hours at Margate to -4·6 hours at Douglas (Isle of Man). Maximum temperatures of about 60°F. were registered in several places, usually about the middle of the week; the actual highest reading, 64°F., occurring at Jersey on the 2nd and in London on the 4th. Screen minima below 32°F. were recorded in a few places, and ground frosts

occurred at a number of stations, the reading of the grass minimum thermometer at Ford (Argyll) on the 2nd being as low as 20°F. The mean temperature for the week was above the normal in most districts the greatest excess, +3°F., being shown in England S.E. The total amount of rainfall for the week was above the normal in the Scilly Isles and in Ireland N. and Ireland S. but in most of the other districts it was below. Amongst the heaviest amounts recorded were 13mm. at Aberdeen on the 1st, 16mm. at Seskin (Carrick-on-Suir) and 14mm. at Kilkenny and Waterford on the 3rd, 28mm. at Dublin, 16mm. at Ford (Argyll) and 14mm. at Rothesay (Bute) on the 4th, 23mm. at Castlebay and 15mm. at Malin Head on the 5th while Armagh had falls of 13mm. on the 4th and 5th. Thunderstorms occurred at Folkestone and Tenbury (Worcester) on the 5th. Solar and lunar halos were seen at a number of stations on various days during the week. A sun pillar was observed at Oxford at 17h. 15m. on the 2nd and a moon pillar from 21h. 45m. to 22h. 30m. at Skegness on the 3rd. The Zodiacal Light was witnessed at Wadhurst (near Tunbridge Wells) on the 4th and 7th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	—	—	19	9	4·0	13	6	2·8	4	4	1·7	9	4	2·0	—	—
North ...	—	—	0	—	—	7	4	1·6	13	4	1·6	10	6	2·6	—	—
West ...	—	—	0	—	—	0	—	—	0	—	—	6	4	1·7	—	—
East ...	—	—	19	7	3·1	26	13	5·8	24	8	3·5	16	11	4·7	—	—
Calm (or wind-speed < 4 m.p.h.)	—	—	7	—	—	2	—	—	4	—	—	—	—	—	4	—
No record ...	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											Extreme S.
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	
Comparison with the normal for the time of year ..	Warmth	.. Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	—	—	Unusual
	Rainfall	.. Moderate	Moderate	Light	Light	Moderate	Moderate	Moderate	Light	Moderate	—	—	Moderate
	Sunshine	.. Scanty	Very Scanty	Scanty	Moderate	Scanty	Moderate	—	Scanty	Scanty	Scanty	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 5 weeks from March 4th, 1923.	Warmth ..	3, 2, 0	1, 4, 0	1, 4, 0	2, 3, 0	2, 3, 0	2, 3, 0	2, 3, 0	2, 3, 0	2, 3, 0	—	—	2, 3, 0
	Rainfall ..	0, 1, 4	0, 2, 3	1, 1, 3	2, 2, 1	1, 4, 0	0, 5, 0	0, 3, 2	0, 2, 3	0, 3, 2	—	—	1, 4, 0
	Sunshine ..	2, 2, 1	1, 2, 2	1, 1, 3	1, 2, 2	0, 1, 4	0, 3, 2	—	1, 2, 2	0, 2, 3	2, 2, 1	—	0, 4, 1

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE AND RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	48	4th	35	7th	44.0	38.1	40.9	+0.5	3	0.20	5	-9	Lerwick	2.0	-	21	-	-	-	-	-	-
Orkneys	Deerness	160	p	47	2, 4, 5	35	7th	45.0	39.6	42.2	+1.1	12	0.24	6	-7	Deerness	2.1	-2.7	15	-	-	-	-	-	-
Hebrides	Stornoway	51	t	50	3rd	36	2nd	48.1	40.1	43.9	+1.8	4	0.79	20	+1	Stornoway	3.6	-1.4	27	-	-	-	-	-	-
	Castlebay	37	t	51	1st	40	7th	47.3	42.9	45.0	-	5	1.22	31	-	Castlebay	4.2	-	31	-	-	-	-	-	-
Caitness	Wick	81	t	46	3, 4	36	2, 7	43.9	39.9	41.8	+0.2	3	0.22	6	-6										
Ross and Cromarty	Strathpeffer	125	t	55	3rd	30	2nd	49.5	35.7	42.3	0.0	12	0.56	14	+2										
	Achnashellach	225	h	56	3rd	31	2nd	51.0	39.7	45.1	-	12	0.64	16	-	Achnashellach	-	-	-	1	28	-	-	-	-
Inverness	Inverness	242	h	-	-	-	-	-	-	-	-	-	-	-	-	Inverness	-	-	-	-	-	-	-	-	-
	Fort Augustus	68	a	56	3rd	30	2nd	50.9	38.4	44.4	+2.1	12	0.45	11	-5										
	Fort William	171	p	57	3rd	32	2nd	51.4	40.1	45.5	+2.2	3	0.79	20	-9										
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	53	3rd	30	2nd	49.0	37.3	42.9	+0.6	2	0.24	6	-2	Nairn	1.9	-	14	-	-	-	-	-	-
Elgin	Gordon Castle	101	p	56	3rd	35	7th	48.3	38.1	43.0	+0.3	2	0.19	5	-4	Gordon Castle	2.2	-	16	-	-	-	-	-	-
Aberdeen	Aberdeen	46	t	48	4, 5	37	7th	44.0	40.1	42.0	-	3	0.55	14	+4	Aberdeen	0.9	-4.5	7	0	35	-	-	43.1	+2.1
	Balmoral	930	a	52	3rd	32	1st	43.4	35.0	39.0	+0.1	6	0.27	7	-5	Balmoral	-	-	-	1	30	-	-	-	-
Perth	Crieff	478	p	52	4th	35	6th	45.9	38.1	41.8	-1.1	6	0.75	19	+7	(Kinc.) Crathes	1.0	-4.1	7	1	28	42.8	-	42.5	-
Forfar	Dundee	147	a	47	4th	36	7th	44.1	39.1	41.5	-	4	0.35	9	-	Dundee	0.0	-	0	0	34	43.9	-	-	-
Fife	Inchkeith	190	t	55	4th	38	7th	46.7	40.7	43.6	-	3	0.16	4	-	Inchkeith	1.5	-	11	0	35	-	-	-	-
Midlothian	Edinburgh	441	p	55	4th	36	7th	47.4	38.9	43.0	+0.6	2	0.07	2	-5	Edinburgh	1.5	-3.3	11	1	29	-	-	-	-
Peebles	West Linton	770	a	56	3rd	30	3rd	48.0	36.3	41.9	+2.2	3	0.09	2	-	West Linton	-	-	-	1	26	-	-	-	-
Berwick	Marchmont	498	a	53	3, 4	35	7th	46.4	36.7	41.3	-0.4	1	0.02	1	-10	Marchmont	1.0	-3.9	8	-	-	-	-	-	-
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	53	3rd	32	2nd	48.6	39.7	43.9	-	3	0.87	22	-	Ford	-	-	-	1	20	44.3	-	43.9	-
Renfrew	Renfrew	49	t	58	3rd	37	7th	49.6	40.3	44.7	-	4	0.91	23	-	Renfrew	0.9	-	7	0	35	-	-	-	-
Bute	Rothsay	200	p	53	3rd	36	7th	47.9	40.0	43.8	-0.3	4	0.85	22	+5	Rothsay	1.2	-	9	0	32	44.6	-	44.0	+1.0
Ayr	Kilmarnock	90	a	58	3rd	33	2nd	52.3	39.6	45.7	+2.7	4	0.33	8	-4	Kilmarnock	1.5	-	11	-	-	44.8	-	44.4	-
	Colmonell	170	a	55	5th	34	1, 2	51.3	38.4	44.5	+1.1	4	0.37	9	-5	Colmonell	-	-	-	2	29	-	-	-	-
Dumfries	Dumfries	140	p	55	3rd	36	3, 7	50.7	39.3	44.7	+0.8	3	0.50	13	0	Dumfries	2.2	-	17	1	27	45.4	+3.4	44.2	+1.9
	Eskdalemuir	794	t	54	3rd	33	7th	47.7	36.4	41.8	-	3	0.22	6	-	Eskdalemuir	1.2	-	9	1	30	-	-	-	-
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	52	1st	38	7th	48.6	42.3	45.3	+1.3	3	0.64	16	+2	Douglas	1.7	-4.6	13	0	35	-	-	-	-
2. ENGLAND, N.E.																									
North-berland	Cockle Park	324	p	50	4th	36	7th	45.1	38.0	41.4	+0.4	4	0.27	7	-2	Cockle Park	1.6	-3.7	12	3	24	42.3	+1.4	43.6	+2.2
	Tynemouth	118	t	48	4, 5	39	7th	45.1	40.6	42.7	+0.1	2	0.37	9	+2	Tynemouth	-	-	-	0	36	-	-	-	-
Durham	Durham	336	p	57	4th	35	4, 5	47.1	37.1	41.9	-0.4	4	0.34	9	+1	Durham	2.0	-3.0	15	2	25	-	-	-	-
York	Rounton	249	p	58	4th	36	6th	50.0	38.7	44.1	+1.9	4	0.18	5	-3	Rounton	-	-	-	6	27	44.6	-	42.0	-
N. Riding	West Witton	605	a	57	4th	36	5, 6, 7	48.3	38.3	43.1	-	2	0.25	6	-	West Witton	2.7	-2.8	20	0	32	43.4	-	42.0	-
	Scarborough	118	h	49	3rd	40	3, 4, 6, 7	45.7	40.9	43.2	-0.2	1	0.01	0.3	-8	Scarborough	2.7	-1.9	22	-	-	45.2	+2.5	44.7	+2.1
	York	56	p	60	4th	39	4, 7	51.3	40.7	45.8	+1.7	3	0.14	4	-3	York	2.9	-	22	-	-	-	-	-	-
E. Riding	Spurn Head	26	t	47	3, 4, 5	40	6, 7	45.9	41.4	43.5	+0.2	1	0.01	0.3	-5	Spurn Head	2.2	-	17	-	-	-	-	-	-
Lincoln	Lincoln	58	a	62	4th	38	4th	53.7	40.4	46.7	+2.4	3	0.05	1	-6	Lincoln	-	-	-	0	33	45.9	+3.3	45.0	+2.3
	Cranwell	237	t	61	4th	32	4th	52.9	39.0	45.6	+1.3	2	0.06	1	-6	Cranwell	2.9	-2.9	22	1	29	-	-	-	-
	Skegness															Skegness	3.5	-2.6	27	-	-	-	-	-	-
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	55	4th	39	4, 6, 7	50.6	40.1	45.1	+1.4	1	0.06	2	-4	Cromer	4.5	-1.4	34	-	-	-	-	-	-
	Yarmouth	13	t	50	3rd	41	6, 7	47.3	42.6	44.8	+1.5	1	0.01	0.2	-7	Yarmouth	5.5	-	42	0	35	47.9	+3.3	47.0	+1.8
	Norwich	93	a	59	4th	34	4th	54.1	39.4	46.4	+2.1	0	0.00	0	-8	Norwich	5.3	-	40	1	27	46.3	-	-	-
	Gedleston	37	a	56	7th	30	4th	52.1	39.4	45.5	+1.5	0	0.00	0	-7	Gedleston	5.4	-0.3	41	-	-	-	-	-	-
Cambridge	Cambridge	41	p	60	5, 7	36	4th	56.1	40.1	47.7	+3.0	1	0.01	0.3	-7	Cambridge	3.9	-1.7	30	2	26	48.0	+3.4	46.5	+1.8
Hertford	Rothamsted	420	a	59	4th	35	4th	54.0	38.9	46.1	+2.3	3	0.08	2	-6	Rothamsted	3.3	-2.0	25	1	26	45.4	-	-	-
Middlesex	Tottenham	51	p	61	4th	38	4th	56.1	42.1	48.8	-	2	0.13	3	-	Tottenham	3.5	-	27	-	-	-	-	-	-
Essex	Clacton-on-Sea	54	t	55	7th	42	7th	51.1	44.6	47.7	+3.8	3	0.12	3	-3	Clacton-on-Sea	6.2	+0.1	47	0	39	48.3	+3.5	47.6	+2.1
	Southend	90	h	60	7th	42	2, 3, 6, 7	54.1	42.9	48.2	-	3	0.43	11	-	Southend	5.7	-	44	0	42	49.0	-	-	-
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	58	4th	36	5, 6, 7	48.9	37.9	43.1	+0.5	2	0.15	4	-7	Harrogate	2.9	-2.4	22	1	30	43.9	+2.6	44.1	+2.3
W. Riding	Sheffield	429	p	60	4th	37	4th	51.1	40.0	45.3	-	4	0.13	3	-8	Sheffield	2.4	-2.3	18	1	30	44.1	+2.4	43.2	+1.5
Derby	Buxton	987	p	57	4th	33	7th	49.3	37.9	43.3	+2.1	1	0.05	1	-16	Buxton	1.5	-	11	0	32	44.1	+3.5	42.7	+1.6
Nottingham	Worksop (Hods'ckP)	56	a	61	4th	33	4th	53.6	39.4	46.2	+2.0	3	0.16	4	-4	Worksop	2.1	-2.5	16	2	25	46.7	-	45.4	-
	Nottingham	82	t	60	4th	36	4th	53.6	40.4	46.7	+2.4	4	0.42	11	+4	Nottingham	1.4	-3.6	11	0	35	45.6	+3.2	44.1	+2.6
Warwick	Birmingham (Edg.)	525	h	61	4th	37	7th	52.4	40.3	46.1	+2.0	4	0.31	8	-1	Birmingham	1.0	-3.0	8	1	29	44.9	+2.9	44.9	+1.4
Northampton	Raunds	213	a	62	4th	33	4th	56.0	38.1	46.6	+2.1	4	0.10	3	-5	Raunds	3.6	-	28	1	28	47.6	-	-	-
Oxford	Oxford	208	p	62	4th	38	4th	56.3	41.4	48.5	+3.3	4	0.17	4	-5	Oxford	3.3	-2.0	25	1	29	-	-	-	-
Stafford	Cheadle	646																							

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
				Highest.	Date	Lowest.	Date	Mean for the Week			No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean	Deviation from Normal		Percentage of possible duration	Grass Min.	Earth 1 ft.		Earth 4 ft.				
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean								Devia-tion from Normal	Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.	*F.			in.	mm.	mm.		Hr.	Hr.	%		*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth ...	16	h	58	3rd	42	7th	53.6	44.9	49.0	6	0.45	11	—	Aberystwyth	2.3	- 2.8	17	—	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	54	3rd	43	1st	51.0	44.4	47.5	+2.4	4	0.54	14	+ 3	St. Ann's Hd.	3.0	- 2.6	23	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	55	4th	36	1st	50.6	40.0	45.1	—	6	0.67	17	—	Rhayader ..	1.5	—	11	2	28	—	—	—	
Glamorgan	Cardiff	202	p	60	4th	39	1st	55.3	42.9	48.8	+3.9	5	0.33	8	- 6	Cardiff ..	3.1	—	24	0	35	49.0	+4.7	46.8	+2.4
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	63	4th	39	1st	56.1	43.3	49.4	+4.1	6	0.27	7	- 3	Bath ..	3.0	- 2.0	23	—	—	48.8	—	47.3	—
Dorset	Shaftesbury ...	722	a	56	2nd	36	7th	51.7	40.6	45.9	+1.9	2	0.19	5	- 6	Shaftesbury ..	—	—	—	—	—	48.2	—	46.6	—
Devon	Portland Bill ...	19	t	53	1, 4, 5	44	1, 2, 4, 7	51.7	44.6	48.0	+2.4	3	0.17	4	- 4	Weymouth ..	4.0	—	30	—	—	—	—	—	—
	Arlington ...	613	a	59	3rd	36	7th	53.6	42.5	47.8	+3.7	3	0.29	7	- 10	Cullompton ...	3.3	- 1.7	25	2	29	49.6	—	—	—
	Cullompton ...	202	a	62	2nd	32	7th	56.3	40.6	48.1	+2.5	3	0.14	3	- 9	Plymouth ..	4.4	- 1.1	34	0	37	51.1	+4.7	48.5	—
	Plymouth... ..	116	p	60	2nd	43	2, 7	56.0	45.7	50.6	+3.9	2	0.20	5	- 7										
Cornwall	Newquay	190	h	56	3rd	36	7th	51.1	43.6	47.2	+0.8	3	0.31	8	- 3	Newquay ..	3.4	- 2.1	26	—	—	49.6	—	48.3	—
	Falmouth... ..	167	h	57	3rd	39	7th	52.9	44.9	48.7	+2.2	3	0.46	12	- 2	Falmouth ..	3.4	- 2.3	26	0	32	51.8	—	50.0	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	53	3rd	38	2nd	48.1	40.7	44.2	+0.4	4	0.83	21	+10	Malin Head ..	2.3	—	18	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
Sligo	Mallary	120	a	—	—	—	—	—	—	—	—	—	—	—	—	Mallary ..	—	—	—	—	—	—	—	—	—
	Markree Castle ...	122	p	56	2nd	28	1st	50.6	36.1	43.0	- 1.2	3	0.75	19	+ 3	Markree Castle	2.6	- 2.3	20	3	23	45.8	+0.8	45.9	+1.4
Armagh	Armagh	204	p	54	2, 3	31	3rd	49.1	37.3	42.9	- 1.0	4	1.17	30	+18	Armagh ..	2.9	- 1.9	22	3	27	45.6	+1.7	45.7	+1.6
Down	Donaghadee ...	35	t	53	3rd	41	7th	48.4	44.0	46.1	+2.0	5	0.89	23	+12										
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	57	2nd	37	1st	51.1	40.6	45.6	- 0.6	4	1.65	42	+32	Trinity Coll.	—	—	—	1	30	47.2	+2.2	47.1	+1.7
King's County	Birr Castle ...	175	t	57	2nd	30	1st	50.1	37.9	43.7	- 0.8	5	0.70	18	+ 6	Phoenix Park	3.4	- 1.9	26	3	25	—	—	—	—
Kilkenny	Kilkenny	195	a	57	2nd	33	1st	50.1	37.9	43.7	- 1.3	5	1.09	28	+16	Dublin City ..	—	—	—	0	32	—	—	—	—
Waterford	Waterford ...	137	a	55	2nd	36	1, 3	50.7	39.7	44.9	- 0.8	6	1.18	30	+16	Birr Castle ..	—	—	—	3	34	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	55	2nd	34	1st	49.1	37.7	43.1	—	6	1.44	37	—	Seskin ..	3.1	—	24	2	27	—	—	—	—
Limerick	Foynes	50	a	54	2, 3	34	1st	51.4	39.3	45.1	- 1.0	5	0.54	14	0										
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—
Cork	Killarney	174	a	—	—	—	—	—	—	—	—	—	—	—	—	(Valencia O.)	—	—	—	—	—	—	—	—	—
	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	4.5	- 1.1	35	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's ...	131	t	60	3rd	42	6th	52.3	44.0	48.0	+0.4	6	1.08	27	+17	Scilly ..	2.2	- 3.5	16	—	—	—	—	—	—
Guernsey	Grange	173	p	62	4th	36	7th	57.0	44.4	50.4	+2.6	3	0.21	5	- 6	Grange ..	5.5	- 0.4	42	0	31	51.6	+4.3	49.6	+2.4
Jersey	St. Aubins ...	25	t	64	2nd	35	7th	58.7	42.6	50.3	+2.6	3	0.17	4	- 6	St. Heliers ..	6.3	+0.2	48	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 7th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands	310	42	†	—	0	1 to 7	105	63	0	0	0	0	170	33	15	5	23	46	21	7	6	45	
Orkneys	188	16	5	Instrument out of adjustment.																			
1. SCOTLAND, E.																							
Aberdeen	72	42	†	—	0	1, 6	7	128	33	0	0	0	120	25	11	1	3	39	17	6	22	15	
Edinburgh	485	39	31	—	0	—	0	54	76	38	0	0	170	21	9	4	10	32	14	4	9	45	
6a. SCOTLAND, W.																							
Renfrew	188	81	15	—	0	—	0	44	86	38	0	0	120	18	8	6	15	36	16	6	14	20	
Dumfries	825	50	22	—	0	—	0	54	74	40	0	0	100	21	9	6	12	34	15	6	9	50	
2. ENGLAND, N.E.																							
Durham	72	61	12	—	0	4	1	117	40	10	0	0	150	27	12	4	19	35	16	4	16	0	
York, E.R.	67	41	†	—	0	4 to 7	21	105	37	5	0	0	90	28	13	7	23	37	17	7	23	35	
Lincoln	280	43	31	—	0	—	0	39	(120)	(9)	0	0	110	20	9	5	12	24	11	5	11	30	
3. ENGLAND, E.																							
Norfolk	52	42	†	—	0	7	2	97	51	18	0	0	100	30	13	7	24	37	17	7	23	50	
Essex	103	90	†	—	0	—	0	81	72	15	0	0	100	22	10	4	13	28	13	4	13	50	
5. ENGLAND, S.E.																							
Surrey	82	65	22	—	0	—	0	16	107	45	0	0	70	15	7	6	9	24	11	4	13	5	
(Kew Obs.)...	409	70	†	—	0	—	0	28	117	23	0	0	40	18	8	6	15	23	10	6	16	5	
Kent	284	40	24	—	0	—	0	1	111	56	0	0	60	13	6	5	13	21	9	4	13	0	
Surrey	811	42	†	—	0	—	0	0	92	76	0	0	140	10	5	4	11	17	8	4	11	5	
Hampshire	261	53	6	—	0	—	0	19	99	50	0	0	—	16	7	4	20	26	12	4	22	55	
(Stoner Hill)...	444	160	—	—	0	—	0	16	116	36	0	0	150	16	7	4	13	26	12	4	9	50	
Sussex	513	63	43	—	0	—	0	38	(130)	0	0	0	180	21	9	4	12	26	12	4	11	25	
Hampshire	109	44	—	—	0	—	0	64	95	9	0	0	100	21	9	6	10	—	—	—	—	—	
Wiltshire	80	62	48	—	0	—	0	86	80	2	0	0	90	23	10	6	7	34	15	6	6	55	
7a. ENGLAND, N.W.																							
Lancashire	64	45	†	—	0	—	0	40	91	37	0	0	70	22	10	6	7	27	12	5	6	45	
7b. NORTH WALES.																							
Anglesey	185	88	2	—	0	7	8	23	88	49	0	0	—	28	13	7	11	38	17	6	7	15	
8b. ENGLAND, S.W.	256	65	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Devon	98	41	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cornwall	160	30	†	—	0	5, 6, 7	20	61	65	22	0	0	—	33	15	7	8	46	21	7	7	55	
Pendennis	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Castlej																							
10. IRELAND, S.																							
Dublin	49	27	—	—	0	7	6	63	79	20	0	0	120	32	14	7	10	—	—	—	—	—	
(Cup Anr.)...	100	40	†	—	0	—	0	71	75	22	0	0	—	24	11	5	19	36	16	5	15	40	
Clare	98	41	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Kerry	160	30	†	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cahir...																							
(Val. Obs.)...																							
Cork	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Weaver Pt. ...																							
11a. SCILLY ISLES.																							
St. Mary's																							

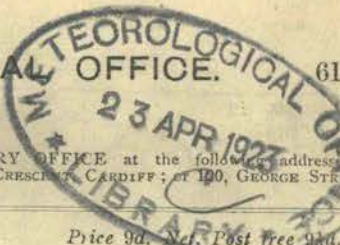
First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FOURTEENTH WEEK of 1923—April 1st to April 7th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		57	30	48.4	38.9	43.4	+1.6	18	- 1	9	- 13	3	- 1	0.52	13	- 7	2.8	- 1.6	21	1015
Eastern.																				
1. SCOTLAND, EAST ..		56	30	46.5	37.8	41.9	- 0.1	13	- 10	13	- 10	3	- 1	0.28	7	- 3	1.1	- 3.9	8	1015
2. ENGLAND, N.E. ..		62	32	48.5	39.6	43.9	+0.8	20	- 5	7	- 11	2	- 1	0.16	4	- 3	2.6	- 2.9	20	1014
3. ENGLAND, EAST ..		61	30	52.7	40.9	46.5	+2.4	35	+ 5	3	- 14	1	- 2	0.05	1	- 6	4.6	- 1.0	35	1013
4. MIDLAND COUNTIES ..		62	33	53.3	40.1	46.4	+2.2	36	+ 2	5	- 13	4	+ 1	0.35	9	0	2.3	- 2.7	18	1012
5. ENGLAND, S.E. ..		63	35	55.4	42.4	48.6	+3.0	46	+12	0	- 11	2	- 1	0.14	3	- 5	5.3	- 0.2	41	1012
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		58	32	49.9	39.9	44.7	+1.0	25	0	6	- 10	4	0	0.64	16	0	—	—	—	1013
7. ENGLAND, N.W. (and North Wales) ..		62	31	52.0	41.5	46.5	+2.4	33	+ 5	1	- 12	3	0	0.27	7	- 4	1.8	- 3.4	13	1011
8. ENGLAND, S.W. (and South Wales) ..		63	32	53.5	43.0	48.0	+2.6	42	+ 9	0	- 9	4	+ 1	0.33	8	- 5	3.0	- 2.2	23	1010
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	- 2.1	21	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	35	56.0	43.7	49.6	+1.9	53	+11	0	- 2	4	0	0.49	12	+ 2	4.7	- 1.3	35	1010
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 5 Weeks, March 4th to April 7th, 1923																				
0. SCOTLAND, NORTH ..		62	25	49.2	36.8	42.8	+2.9	105	+44	77	- 59	12	- 12	1.54	39	- 81	4.6	+ 1.2	38	1018
Eastern.																				
1. SCOTLAND, EAST ..		64	20	48.0	35.6	41.6	+1.6	88	+11	101	- 48	13	- 8	1.13	29	- 38	3.1	- 0.8	26	1019
2. ENGLAND, N.E. ..		67	25	48.4	37.5	42.8	+1.4	95	+ 2	68	- 49	14	- 5	1.28	33	- 15	3.1	- 1.2	26	1019
3. ENGLAND, EAST ..		69	25	50.0	38.8	44.2	+2.2	128	+14	50	- 66	16	- 1	1.56	38	- 8	3.6	- 0.7	30	1018
4. MIDLAND COUNTIES ..		68	28	50.2	37.7	43.8	+1.9	126	+ 6	65	- 58	17	0	1.66	43	- 8	2.3	- 1.6	19	1018
5. ENGLAND, S.E. ..		68	28	51.1	40.0	45.4	+2.3	154	+32	36	- 51	17	0	1.73	44	- 9	3.6	- 0.8	30	1018
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		63	23	50.7	37.2	43.7	+2.2	129	+43	67	- 37	12	- 9	2.20	56	- 43	—	—	—	1019
7. ENGLAND, N.W. (and North Wales) ..		66	25	50.8	39.0	44.7	+2.6	136	+42	41	- 52	13	- 6	1.08	27	- 42	3.3	- 0.7	27	1017
8. ENGLAND, S.W. (and South Wales) ..		64	29	50.6	40.1	45.2	+1.9	143	+22	32	- 44	15	- 4	1.62	40	- 40	3.4	- 0.9	28	1017
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.9	+ 0.1	32	1017
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	35	52.9	43.4	48.0	+2.0	210	+48	0	- 25	18	- 3	1.99	51	- 16	4.7	- 0.4	38	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 14 Weeks, December 31st, 1922, to April 7th, 1923																				
0. SCOTLAND, NORTH ..		62	25	46.4	37.1	41.7	+3.0	188	+73	215	-227	63	- 7	14.19	360	- 35	2.3	+ 0.2	24	1008
Eastern.																				
1. SCOTLAND, EAST ..		64	20	45.3	36.0	40.6	+2.3	164	+30	298	-204	59	+ 2	8.15	209	+15	2.1	- 0.6	21	1010
2. ENGLAND, N.E. ..		67	25	46.4	37.2	41.8	+2.3	212	+49	233	-172	51	- 2	6.20	160	+23	2.3	- 0.5	23	1012
3. ENGLAND, EAST ..		69	23	47.7	37.6	42.6	+2.9	267	+72	204	-221	56	+ 4	6.17	155	+20	2.6	- 0.4	26	1014
4. MIDLAND COUNTIES ..		68	22	47.9	37.1	42.5	+2.8	268	+60	225	-214	58	+ 6	8.86	226	+69	2.0	- 0.6	19	1013
5. ENGLAND, S.E. ..		68	22	48.9	38.5	43.7	+2.7	324	+98	159	-173	57	+ 6	7.94	202	+35	2.7	- 0.3	27	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		63	20	47.6	37.5	42.5	+2.3	256	+93	203	-143	63	0	13.31	338	+14	—	—	—	1011
7. ENGLAND, N.W. (and North Wales) ..		66	24	48.1	39.0	43.5	+3.0	288	+110	137	-192	61	+ 5	8.38	213	- 4	2.2	- 0.4	22	1012
8. ENGLAND, S.W. (and South Wales) ..		64	24	49.1	39.7	44.4	+2.5	339	+90	108	-156	62	+ 5	13.00	330	+73	2.5	- 0.4	25	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.6	+ 0.1	26	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	32	51.2	43.3	47.2	+2.4	516	+143	3	- 96	67	+ 4	10.29	262	+45	3.2	- 0.3	31	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
13th April, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL



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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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Vol. XL. (New Series) }

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The weather of the week was of a very variable character. Rain fell in all districts and snow and hail showers occurred in several places. "Snow lying" was recorded at West Linton (Peebles) on the 10th to a depth of one inch. Thunderstorms occurred in many parts of the country, notably on the 11th, or 12th, when a large number of rainfall measurements of 20mm. and more were obtained. Among the largest amounts recorded were 26mm. at Falmouth (Pendennis) and 25mm. at Westbourne (Sussex) on the 11th, while 46mm. at Burnley, 33mm. at Eskdalemuir, 32mm. at Manchester and Stonyhurst, 31mm. at Buxton, 30mm. at Lancaster, 29mm. at Newton Rigg, 28mm. at Cheadle (Staffs.), 26mm. at Huddersfield and 25mm. at Dumfries fell on the 12th. The total amount of rainfall for the week was above the normal in all districts with the exception of Scotland N. where it was below normal. During the early part of the week some very low day temperatures were recorded, and in several places, notably on the 9th, temperature did not rise much above 40°F. The highest temperatures of the week occurred generally on the 11th or 12th when at a few places in the east and south-east of England maximum readings of between 65°F. and 70°F. were registered. There were several screen minima below

32°F. recorded, generally on the 10th, the lowest reading, 24°F. occurring at South Farnborough on that date. Ground frosts occurred in most places; amongst the lowest readings of the grass thermometer were 17°F. at Rounton (N. Riding) on the 9th and 15°F. at Wisley (Surrey) and 16°F. at Tunbridge Wells on the 10th. The mean temperature for the week did not differ much from the normal in most districts, the greatest divergence being +1.7°F. in England E. There were one or two bright days during the week when a number places of recorded sunshine durations varying between 11 and 13 hours. Amongst the largest amounts were 12.8 hours at Ramsgate, 12.6 hours at Shoburyness and 12.4 hours at Felixstowe on the 14th. The departure of the mean duration for the week ranged from +1.6 hours at Margate to -3.4 hours at Aberdeen. Solar halos were witnessed at Richmond (Kew Observatory) on the 10th, at Clacton on the 10th and 12th and at Oxford on the 9th, 10th, 11th, 13th and 14th. A sun pillar was seen at Oxford on the 9th. The Zodiacal Light was observed at Clacton and Tenbury (Worcester) on the 14th, at Wadhurst (near Tunbridge Wells) on the 8th and 14th and at Oxford and Ross-on-Wye on the 8th, 13th, and 14th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Silly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahiriveen.†	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	—	—	17	10	4.4	19	10	4.3	12	9	4.2	17	11	4.7	—	—
North	—	—	7	6	2.5	3	6	2.6	10	7	3.3	5	7	3.2	—	—
West	—	—	2	5	2.3	7	6	2.7	7	4	1.6	10	6	2.7	—	—
East	—	—	23	10	4.3	13	18	8.2	13	11	4.9	17	18	8.1	—	—
Calm (or wind- speed < 4 m.p.h.)	—	—	1	—	—	5	—	—	5	—	—	—	—	—	3	—
No record ...	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—

* For Deerness the week ends at midnight on Friday.

† Pressure tube anemometer.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
	Comparison with the normal for the time of year ..	Warmth ..	Rainfall ..	Sunshine ..	Warmth ..	Rainfall ..	Sunshine ..	Warmth ..	Rainfall ..	Sunshine ..	Warmth ..	Rainfall ..	Sunshine ..
	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	—	Moderate
	Moderate	Very Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Heavy	—	—	—	Very Heavy
	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	—	Moderate	Scanty	Moderate	—	—	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 6 weeks from March 4th, 1923.	Warmth ..	3, 3, 0	1, 5, 0	1, 5, 0	2, 4, 0	2, 4, 0	2, 4, 0	2, 4, 0	2, 4, 0	2, 4, 0	—	—	2, 4, 0
	Rainfall ..	0, 2, 4	1, 2, 3	2, 1, 3	3, 2, 1	2, 4, 0	1, 5, 0	1, 3, 2	1, 2, 3	1, 3, 2	—	—	2, 4, 0
	Sunshine ..	2, 3, 1	1, 2, 3	1, 2, 3	1, 3, 2	0, 1, 5	0, 4, 2	—	1, 3, 2	0, 2, 4	2, 3, 1	—	0, 4, 2

NOTE.

Explanatory Notes will be given in the "Guide to the Tables" contained in the Weekly Report, which will be published with the next volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE AND RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge.	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																										
Shetlands		Lerwick	54	47	11th	35	9, 10	45.4	38.9	42.0	+1.9	3	0.24	6	-9	Lerwick	4.2	—	30	—	—	—	—	—	—	—
Orkneys		Deerness	160	48	13th	37	9th	45.0	39.4	42.1	+1.1	5	0.76	19	+5	Deerness	1.8	-2.8	13	—	—	—	—	—	—	—
Hebrides		Stornoway	51	52	8th	34	12th	49.3	38.9	43.9	+1.8	5	0.69	17	-3	Stornoway	5.2	+0.4	37	—	—	—	—	—	—	—
		Castlebay	37	51	14th	39	10th	44.3	42.6	45.2	—	5	0.61	15	—	Castlebay	4.4	—	32	—	—	—	—	—	—	—
Caithness		Wick	81	50	13th	38	9th	44.3	41.0	42.6	+1.0	3	0.49	12	-1											
Ross and Cromarty		Strathpeffer	125	54	13th	28	9th	48.5	35.3	41.6	-0.9	3	0.61	15	—											
Inverness		Achnashellach	225	56	14th	33	9th	50.7	38.6	44.4	—	—	—	—	—	Achnashellach	—	—	—	1	29	—	—	—	—	—
		Inverness	242	—	—	—	—	—	—	—	—	—	—	—	—	Inverness	—	—	—	—	—	—	—	—	—	—
		Fort Augustus	68	55	13th	35	10th	49.9	39.0	44.2	+1.8	3	0.65	17	0											
		Fort William	171	55	14th	32	10th	49.6	38.6	43.8	+0.4	4	0.90	23	-7											
1. SCOTLAND, E.																										
Nairn		Nairn	82	56	13, 14	28	10th	49.6	36.4	42.7	+0.1	4	0.49	12	+1	Nairn	4.3	—	31	—	—	—	—	—	—	—
Elgin		Gordon Castle	101	57	13th	28	10th	48.6	36.0	42.0	-0.9	5	0.47	12	0	Gordon Castle	3.8	—	27	—	—	—	—	—	—	—
Aberdeen		Aberdeen	46	52	13th	38	9, 10	45.9	40.1	42.9	—	6	0.50	13	0	Aberdeen	1.5	-3.4	11	0	32	—	—	43.2	+1.5	
		Balmoral	930	49	14th	32	10, 11, 12	42.9	34.4	38.5	-0.9	5	0.93	24	+8	Balmoral	—	—	1	28	—	—	—	—	—	—
Perth		Criff	478	51	13th	32	11th	45.1	36.7	40.7	-2.6	6	1.92	49	+34	(Kinc.) Crathes	2.0	-2.7	14	1	27	41.7	—	42.4	—	
Forfar		Dundee	147	51	13th	35	10th	45.7	38.3	41.8	—	5	1.57	40	—	Dundee	1.7	—	12	0	32	42.4	—	—	—	
Fife		Inchkeith	190	51	11, 13	37	10th	46.6	40.1	43.2	—	5	1.31	33	—	Inchkeith	3.4	—	25	0	35	—	—	—	—	
Midlothian		Edinburgh	441	51	13th	35	10th	46.1	37.9	41.8	+0.8	5	0.94	24	+12	Edinburgh	3.0	-1.2	22	0	34	—	—	—	—	
Peebles		West Linton	770	55	12th	30	8, 10	48.9	34.6	41.4	+1.4	6	1.64	42	—	West Linton	—	—	2	30	—	—	—	—	—	
Berwick		Marchmont	498	52	11th	33	10th	46.7	36.6	41.4	-0.6	5	0.98	25	+11	Marchmont	2.3	-2.2	16	—	—	—	—	—	—	
6a. SCOTLAND, W.																										
Argyle		Ford	149	56	11th	34	10th	49.4	39.7	44.3	—	5	1.06	27	—	Ford	—	—	—	3	29	44.0	—	44.2	—	
Renfrew		Renfrew	49	53	11th	35	11th	48.1	39.6	43.7	—	6	1.50	38	—	Renfrew	2.6	—	19	0	32	—	—	—	—	
Bute		Rothsay	200	50	11, 13	36	9, 10, 11	46.7	39.0	42.7	-1.6	6	1.31	33	+15	Rothsay	3.9	—	29	0	33	43.1	—	44.0	+0.4	
Ayr		Kilmarnock	90	60	11th	34	10th	53.1	38.7	45.6	+2.4	6	0.86	22	+10	Kilmarnock	3.9	—	28	—	—	44.5	—	44.8	—	
		Colmonell	170	57	11th	33	9th	52.1	38.9	45.2	+1.7	5	0.72	18	+3	Colmonell	—	—	2	27	—	—	—	—	—	
Dumfries		Dumfries	140	59	11th	35	9, 10	50.1	38.1	43.8	-0.4	6	2.17	55	+42	Dumfries	4.0	—	29	2	28	45.1	+1.8	44.8	+1.7	
		Eskdalemuir	794	55	11th	32	10th	46.9	36.7	41.6	—	6	2.17	55	—	Eskdalemuir	3.1	—	23	1	30	—	—	—	—	
6b. ISLE OF MAN.																										
I. of Man		Douglas	284	54	11th	35	10th	48.4	41.0	44.5	+0.4	6	0.80	20	+5	Douglas	3.7	-2.1	27	0	33	—	—	—	—	—
2. ENGLAND, N.E.																										
Northumberland		Cockle Park	324	54	13th	32	10th	48.0	37.4	42.5	+1.0	4	1.13	29	+18	Cockle Park	3.0	-1.6	22	3	25	41.9	0.0	43.2	+1.1	
		Tynemouth	118	54	13th	36	10th	47.7	40.7	44.0	+1.0	5	1.09	28	+19	Tynemouth	—	—	0	36	—	—	—	—	—	—
Durham		Durham	336	56	11th	33	10th	48.6	37.6	42.8	-0.1	4	1.17	30	+20	Durham	2.9	-1.5	21	2	29	—	—	—	—	
York		Rounton	249	57	11th	31	9th	50.9	37.6	43.9	+1.1	5	0.78	20	+10	Rounton	—	—	4	17	—	—	—	—	—	
N. Riding		West Witton	605	53	11th	32	8, 10	48.4	36.3	42.1	—	6	1.76	45	—	West Witton	—	—	2	27	—	—	—	—	—	
		Scarborough	118	56	12, 13	36	10th	50.1	41.0	45.3	+1.4	5	0.64	16	+6	Scarborough	5.6	+0.7	41	—	—	—	—	—	—	
		York	56	61	12th	34	10th	52.4	39.7	45.8	+1.0	5	0.69	18	+8	York	4.3	0.0	31	—	—	45.3	+1.4	44.9	+1.6	
E. Riding		Spurn Head	26	56	12, 14	33	10th	49.6	40.6	44.9	+1.0	6	0.56	14	+7	Spurn Head	5.2	—	38	—	—	—	—	—	—	
Lincoln		Lincoln	58	64	12th	34	10th	54.4	39.6	46.6	+1.5	5	0.56	14	+5	Lincoln	—	—	0	32	—	—	46.0	+2.0	45.5	+2.1
		Cranwell	237	64	12th	33	10, 14	53.4	38.7	45.7	+0.7	4	0.41	11	+2	Cranwell	4.9	-0.3	36	2	29	—	—	—	—	
		Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	5.9	+0.5	44	—	—	—	—	—	—	
3. ENGLAND, E.																										
Norfolk		Cromer	196	66	12th	30	10th	54.0	39.3	46.3	+2.1	4	0.39	10	+3	Cromer	6.7	+1.4	49	—	—	—	—	—	—	
		Yarmouth	13	57	13th	31	10th	49.7	41.3	45.3	+1.4	5	0.22	5	—	Yarmouth	6.9	—	51	1	28	47.4	+1.4	47.1	+1.2	
		Norwich	93	69	12th	31	10th	55.7	39.3	47.1	+2.3	4	0.44	11	0	Norwich	6.5	—	48	2	29	47.2	—	—	—	
		Gedeston	37	67	12th	32	10th	54.2	40.1	46.8	+2.3	2	0.22	6	-3	Gedeston	6.5	+1.3	48	—	—	—	—	—	—	
Cambridge		Cambridge	41	68	12th	32	9, 10	55.3	39.0	46.8	+1.4	4	0.66	17	+8	Cambridge	5.3	+0.1	39	—	26	48.0	+2.1	47.0	+1.6	
Hertford		Rothamsted	420	62	12th	31	10th	52.1	37.7	44.6	+0.1	5	0.88	22	+12	Rothamsted	4.2	-0.7	31	4	26	44.8	—	—	—	
Middlesex		Tottenham	51	65	12th	31	10th	54.4	41.4	47.6	—	5	0.68	17	—	Tottenham	4.6	—	34	—	—	—	—	—	—	
Essex		Clacton-on-Sea	54	56	11th	33	10th	51.3	43.4	47.2	+2.7	4	0.18	5	-3	Clacton-on-Sea	6.6	+0.9	48	1	29	48.0	+2.0	47.8	+1.6	
		Southend	90	64	12th	30	10th	54.3	41.7	47.7	—	3	0.23	6	—	Southend	6.4	—	47	0	31	48.0	—	—	—	
4. MIDLAND COUNTIES.																										
York		Harrigate	479	54	14th	32	9, 10	49.6	36.6	42.8	-0.2	6	1.49	38	+26	Harrigate	3.4	-1.5	25	2	27	43.8	+1.4	44.1	+1.6	
W. Riding		Sheffield	429	57	11th	33	10th	51.1	39.4	45.0	—	5	1.52	39	+28	Sheffield	3.6	-0.8	26	2	30	44.3	+1.4	43.8	+1.6	
Derby		Buxton	987	56	11th	30	10th	48.1	37.0	42.3	+0.6	5	2.03	52	+35	Buxton	3.6	—	27	1	29	43.5	+1.6	43.1	+1.5	
Nottingham		Worksop (Hods'ck P)	56	62	12th	30	9th	53.9	38.3	45.7	+1.1	4	1.30	33	+24	Worksop	4.0	-0.2	29	1	22	46.9	—	46.0	—	
		Nottingham	82	59	12th	34	10th	52.7	40.1	46.1	+1.3	4	1.47	37	+29	Nottingham	4.0	-0.7	29	2	29	45.0	+1.2	44.3	+2.0	
Warwick		Birmingham (Edg.)	525	57	11th	32	10th	50.6	39.7	44.9	+0.3	5	1.77	45	+35	Birmingham	3.4	-0.3	25	1	30	43.7	+0.9	45.1	+1.3	
Northampton		Raunds	213	65	12th	33	9, 10	54.1	38.7	46.0	+0.9	4	0.96	25	+16	Raunds	5.1	—	37	1	30	46.6	—	—	—	
Oxford		Oxford	208	57	11, 12	32	9, 10	52.4	40.1	46.0																

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.			Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature									
					Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.					
									Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal				
8a. SOUTH WALES.			Ft.		*F.		*F.		*F.		*F.		*F.			in.	mm.	mm.		Hr.	Hr.	%		*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth	...	16	h	56	11th	34	10th	52.0	41.4	46.5	—	6	0.55	14	—				Aberystwyth	4.8	- 0.6	35	—	—	—	—	—	
Pembroke	St. Ann's Hd.	...	149	t	55	11th	34	10th	49.7	41.3	45.3	- 0.2	5	1.46	37	+ 26				St. Ann's Hd.	5.3	- 0.6	39	—	—	—	—	—	
Radnor	Rhayader...	...	757	a	52	12th	31	10th	48.9	37.9	43.1	—	4	1.64	42	—				Rhayader ..	4.0	—	29	4	22	—	—	—	
Glamorgan	Cardiff	...	202	p	57	11th	31	10th	51.4	39.9	45.4	- 0.2	5	0.86	22	+ 8				Cardiff ..	4.0	—	29	2	26	47.3	+1.6	47.4	+2.3
8b. ENGLAND, S.W.																													
Somerset	Bath	...	66	h	59	11th	30	10th	52.7	40.3	46.2	+ 0.2	5	0.95	24	+13				Bath ..	3.7	- 1.6	27	—	—	48.4	—	48.0	—
Dorset	Shaftesbury	...	722	a	53	11th	28	10th	49.4	36.4	42.6	- 2.1	5	1.03	26	+15				Shaftesbury ..	—	—	—	—	—	45.9	—	46.6	—
Devon	Portland Bill	...	19	t	52	11, 12	34	10th	50.7	42.0	46.1	0.0	6	0.92	23	+15				Weymouth ..	3.1	—	23	—	—	—	—	—	—
	Arlington	...	613	a	57	11th	32	10th	50.6	37.7	43.8	- 0.9	5	1.08	27	+10													
	Cullompton	...	202	a	58	11, 12	30	10th	52.7	36.7	44.3	- 2.0	5	0.97	25	+13				Cullompton ..	2.6	- 2.6	19	3	22	48.0	—	—	—
Cornwall	Plymouth...	...	116	p	58	11th	39	9,10,11	53.0	41.6	47.0	- 0.3	5	1.04	26	+14				Plymouth ..	3.7	- 2.0	28	0	36	49.2	+1.5	49.2	—
	Newquay	...	190	h	57	12th	38	10th	51.5	40.9	46.0	- 0.8	6	1.40	36	+25				Newquay ..	4.5	- 1.3	33	—	—	48.9	—	48.7	—
	Falmouth	...	167	h	56	11, 12	40	14th	52.1	43.1	47.4	+ 0.5	7	1.78	45	+31				Falmouth ..	3.8	- 2.3	28	0	36	48.9	—	50.0	—
9. IRELAND, N.																													
Donegal	Malin Head	...	71	t	55	11th	37	10th	47.6	41.3	44.3	0.0	5	0.87	22	+12				Malin Head ..	3.9	—	28	—	—	—	—	—	—
Mayo	Blacksod Point	...	10	t	—	—	—	—	—	—	—	—	—	—	—	—													
Sligo	Mallary	...	120	a	—	—	—	—	—	—	—	—	—	—	—	—				Mallary ..	—	—	—	—	—	—	—	—	—
	Markree Castle	...	122	p	57	11, 12	32	10th	52.9	37.6	44.9	+ 0.3	4	0.92	23	+ 9				Markree Castle	4.1	- 1.1	30	2	28	45.8	- 0.4	45.9	+ 0.8
Armagh	Armagh	...	204	p	55	11th	33	10th	50.0	39.1	44.3	- 0.2	4	0.95	24	+13													
Down	Donaghadee	...	35	t	55	11, 12	40	10, 13	50.4	42.0	46.0	+1.3	5	1.05	27	+16				Armagh ..	4.0	- 1.0	29	0	31	44.7	- 0.4	45.7	+1.1
10. IRELAND, S.																													
Dublin	Dublin City	...	54	p	57	12th	38	10th	51.1	42.1	46.4	- 0.1	6	0.84	21	+11				Trinity Coll.	—	—	—	0	33	47.0	+ 0.9	47.2	+1.2
King's County	Birr Castle	...	175	t	58	11th	34	10th	51.7	38.9	45.0	+ 0.1	5	0.72	18	+ 7				Phoenix Park	4.0	- 1.6	29	1	30	—	—	—	—
Kilkenny	Kilkenny	...	195	a	57	11, 12	36	10, 11	52.6	39.1	45.5	+ 0.1	5	0.93	24	+13				Dublin City ..	—	—	—	0	34	—	—	—	—
Waterford	Waterford	...	137	a	56	12th	37	10, 11	52.9	36.9	46.1	+ 0.1	6	1.39	35	+22				Birr Castle ..	—	—	—	2	26	—	—	—	—
	Seskin, Carrick-on-Suir	...	542	p	55	12th	32	10th	50.7	37.3	43.7	—	6	1.20	31	—				Seskin ..	4.9	—	36	1	29	—	—	—	—
Limerick	Foynes	...	50	a	56	12th	35	10th	51.1	38.9	44.7	- 1.7	6	1.35	34	+21													
Kerry	Cahiriveen (Val.O.)	...	30	t	55	8th	34	8th	50.7	38.0	44.1	- 2.8	6	1.22	31	+12				Cahiriveen (Valencia O.)	3.4	- 2.0	25	0	31	—	—	—	—
Cork	Killarney	...	174	a	57	8th	33	8th	53.1	36.5	44.4	- 2.0	5	1.75	44	+27				Ballinacurra	4.1	- 1.6	30	—	—	—	—	—	—
	Roche's Point	...	32	t	—	—	—	—	—	—	—	—	—	—	—	—													
11. CHANNEL ISLES & SCILLY.																													
Scilly	St. Mary's	...	131	t	55	11th	40	10th	51.4	42.4	46.7	- 1.1	7	1.54	39	+29				Scilly ..	3.5	- 2.5	26	—	—	—	—	—	—
Guernsey	Grange	...	173	p	55	11th	40	14th	52.3	44.6	48.3	0.0	7	0.91	23	+12				Grange ..	3.6	- 2.7	26	0	32	50.3	- 1.8	50.1	- 2.2
Jersey	St. Aubins	...	25	t	61	11th	39	9th	54.0	45.7	49.7	+1.5	6	1.20	31	+21				St. Heliers ..	3.3	- 3.1	24	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 14th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FIFTEENTH WEEK of 1923—April 8th to April 14th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		56	28	48.2	38.6	43.2	+1.4	18	- 1	16	- 5	4	- 1	0.61	15	- 7	3.5	- 0.8	25	1006
Eastern.																				
1. SCOTLAND, EAST ..		57	28	46.8	36.9	41.6	- 0.7	13	- 11	16	- 5	5	+ 1	1.03	26	+13	2.5	- 2.1	18	1004
2. ENGLAND, N.E. ..		64	31	50.6	39.2	44.6	+1.0	26	0	8	- 7	5	+ 1	0.78	20	+10	4.4	- 0.5	32	1003
3. ENGLAND, EAST ..		69	30	53.3	40.2	46.5	+1.7	37	+ 4	5	- 8	4	+ 1	0.46	12	+ 2	5.8	+0.7	43	1004
4. MIDLAND COUNTIES		65	30	51.7	38.7	44.9	+0.2	30	- 4	9	- 7	5	+ 2	1.35	34	+24	3.8	- 0.9	28	1002
5. ENGLAND, S.E. ..		66	26	53.3	40.6	46.6	+0.7	36	0	4	- 5	5	+ 2	0.94	24	+15	4.9	- 0.4	36	1002
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		60	33	49.7	39.3	44.3	+0.4	24	- 3	8	- 7	6	+ 2	1.20	30	+14	—	—	—	1003
7. ENGLAND, N.W. (and North Wales)		61	32	51.2	39.6	45.2	+0.7	29	0	7	- 4	5	+ 2	1.33	34	+22	3.9	- 1.0	29	1001
8. ENGLAND, S.W. (and South Wales)		59	28	51.1	39.7	45.1	- 0.8	28	- 7	6	- 1	5	+ 2	1.17	30	+17	4.1	- 1.4	30	1000
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.0	- 1.0	29	1001
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		61	39	52.6	44.2	48.2	+0.1	43	- 1	0	- 1	7	+ 4	1.22	31	+21	3.4	- 2.9	25	999
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, March 4th to April 14th, 1923.																				
0. SCOTLAND, NORTH ..		62	25	49.1	37.1	42.9	+2.7	123	+43	87	- 70	16	- 13	2.15	54	- 88	4.4	+ 0.8	35	1016
Eastern.																				
1. SCOTLAND, EAST ..		64	20	47.8	35.9	41.6	+1.2	101	0	117	- 53	18	- 7	2.16	55	- 25	3.0	- 1.0	24	1017
2. ENGLAND, N.E. ..		67	25	48.7	37.8	43.1	+1.4	121	+ 2	76	- 56	19	- 4	2.06	53	- 5	3.3	- 1.1	27	1016
3. ENGLAND, EAST ..		69	25	50.5	39.1	44.6	+2.2	165	+18	55	- 74	20	0	2.02	50	- 6	4.0	- 0.5	32	1016
4. MIDLAND COUNTIES		68	28	50.5	37.9	43.9	+1.5	156	+ 2	74	- 65	22	+ 2	3.01	77	+16	2.5	- 1.5	20	1015
5. ENGLAND, S.E. ..		68	26	51.5	40.1	45.6	+2.1	190	+32	40	- 56	22	+ 2	2.67	68	+ 6	3.8	- 0.7	31	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		63	23	50.5	37.5	43.8	+1.9	153	+40	75	- 44	18	- 7	3.40	86	- 29	—	—	—	1016
7. ENGLAND, N.W. (and North Wales)		66	25	50.9	39.1	44.8	+2.3	165	+42	48	- 56	18	- 4	2.41	61	- 20	3.4	- 0.8	28	1015
8. ENGLAND, S.W. (and South Wales)		64	28	50.7	40.1	45.2	+1.5	171	+15	38	- 45	20	- 2	2.79	70	- 23	3.5	- 1.0	28	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.9	- 0.1	31	1014
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		64	35	52.9	43.5	48.0	+1.7	253	+47	0	- 26	25	+ 1	3.21	82	+ 5	4.5	- 0.8	36	1013
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

THE YEAR. Aggregates, &c., for the Period of 15 Weeks, December 31st, 1922, to April 14th, 1923																				
0. SCOTLAND, NORTH ..		62	25	46.5	37.2	41.8	+2.9	206	+72	225	-238	67	- 8	14.80	375	- 42	2.4	+ 0.1	24	1008
Eastern.																				
1. SCOTLAND, EAST ..		64	20	45.4	36.0	40.7	+2.2	177	+19	314	-209	64	+ 3	9.18	235	+28	2.1	- 0.7	21	1009
2. ENGLAND, N.E. ..		67	25	46.7	37.3	42.0	+2.2	238	+49	241	-179	56	- 1	6.98	180	+33	2.5	- 0.6	24	1012
3. ENGLAND, EAST ..		69	23	48.0	37.7	42.9	+2.9	304	+76	209	-229	60	+ 5	6.63	167	+22	2.9	- 0.2	27	1013
4. MIDLAND COUNTIES		68	22	48.1	37.2	42.6	+2.6	298	+56	234	-221	63	+ 8	10.21	260	+93	2.1	- 0.7	20	1012
5. ENGLAND, S.E. ..		68	22	49.1	38.6	43.9	+2.6	360	+98	163	-178	62	+ 8	8.88	226	+50	2.9	- 0.2	27	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		63	20	47.7	37.6	42.6	+2.2	280	+90	211	-150	69	+ 2	14.51	368	+28	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		66	24	48.3	39.0	43.6	+2.8	317	+110	144	-196	66	+ 7	9.71	247	+18	2.3	- 0.5	22	1011
8. ENGLAND, S.W. (and South Wales)		64	24	49.2	39.7	44.4	+2.3	367	+83	114	-157	67	+ 7	14.17	360	+90	2.6	- 0.5	25	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	0.0	26	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		64	32	51.3	43.3	47.3	+2.3	559	+142	3	- 97	74	+ 8	11.51	293	+66	3.2	- 0.5	30	1014
MEAN: DISTRICTS 1-10 ..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
20th April, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Vol. XL. (New Series)

SIXTEENTH WEEK.

SUNDAY, APRIL 15TH, TO SATURDAY, APRIL 21ST, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

Over the British Isles generally the weather during the week was cool and cloudy, with very bright intervals. Towards the end of the week hail showers occurred in several places and at one or two of the northern stations snow was reported. The winds were mainly north-easterly and south-easterly in direction and moderate to strong in force. Attention may be called to the entire absence of winds with west components at three of the stations of Table II. Mean temperature for the week was below the normal in all districts with the exception of the Channel Islands where it was slightly above normal. Several places registered maximum temperatures above 55°F., but Nairn and Killarney are the only stations where the temperature reached 60°F. Screen minima below 32°F. were recorded in a few places, the lowest reading 26°F. being registered at Eskdalemuir, West Linton and Newton Rigg. Ground frosts occurred during the week in most places and in some parts the readings of the grass thermometer were decidedly low; the lowest reading 16°F. occurring at Cockle Park (Northumberland) on the 20th. There were a few moderate falls of rain recorded in the south-western parts of the country, but in most districts the measurements

were decidedly small; in fact at a large number of places the week was rainless. Amongst the largest amounts were 16mm. at Torquay on the 15th, 33mm. at Cahirciveen (Valencia Observatory), 24mm. at Roches Point and 17mm. at Killarney on the 17th, 27mm. at Foynes, 17mm. at Jersey, 16mm. at Waterford and 14mm. at Falmouth on the 18th, while Seskin (Carriek-on-Suir) had falls of 15mm. on the 15th and also on the 17th and 17mm. on the 18th. The total amount of sunshine for the week was above the normal at a few stations, but over the country as a whole it was below the normal. Amongst the largest amounts obtained were 12·8 hours at Gorleston and 12·7 hours at Felixstowe on the 15th, 12·7 hours at Castlebay on the 16th, 12·6 hours at Stornoway on the 18th and 12·7 hours on the 19th and 13·2 hours at Stonyhurst and Southport, 13·1 hours at Blackpool, 13·0 hours at Lancaster and 12·7 hours at Scarborough on the 20th. Thunder was heard at several places in the south and south-east of England. At Oxford solar halos were seen on the 15th, 16th, 19th, and 21st and lunar halos on the 20th and 21st. The Zodiacal Light was observed at Oxford on the 16th and at Wadhurst (near Tunbridge Wells) on the 15th, 19th, and 20th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Silly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.†	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	—	—	9	8 3·4	9	5 2·4	5	7 3·0	11	4 1·9	12	12 5·3	12	12 5·5	10	15 6·7
North ...	—	—	13	6 2·6	17	11 4·9	16	8 3·5	13	10 4·6	11	9 4·2	13	13 5·7	16	11 4·7
West ...	—	—	1	2 1·0	1	1 0·3	0	—	0	—	7	12 5·4	0	—	12	5 2·3
East ...	—	—	22	9 4·0	27	12 5·2	27	7 3·3	27	15 6·8	16	16 7·1	27	15 6·7	13	11 4·7
Calm (or wind- speed < 4 m.p.h.)	—	—	4	—	0	—	1	—	0	—	0	—	1	—	2	—
No record ...	—	—	0	—	—	—	0	—	0	—	4	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

† Components from Pressure Tube Anemometer.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	—	—	Moderate
	Rainfall ..	Very Light	Light	Very Light	Nought	Light	Moderate	Very Light	Very Light	Moderate	—	—	Heavy
	Sunshine ..	Abundant	Moderate	Moderate	Scanty	Scanty	Scanty	—	Moderate	Scanty	Scanty	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 7 weeks from March 4th, 1923.	Warmth	3, 4, 0	1, 5, 1	1, 5, 1	2, 5, 0	2, 4, 1	2, 5, 0	2, 4, 1	2, 4, 1	2, 5, 0	—	—	2, 5, 0
	Rainfall	0, 2, 5	1, 2, 4	2, 1, 4	3, 2, 2	2, 4, 1	1, 6, 0	1, 3, 3	1, 2, 4	1, 4, 2	—	—	3, 4, 0
	Sunshine	3, 3, 1	1, 3, 3	1, 3, 3	1, 3, 3	0, 1, 6	0, 4, 3	—	1, 4, 2	0, 2, 5	2, 3, 2	—	0, 4, 3

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

66 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	50	17th	31	21st	45.7	36.9	41.1	-0.4	4	0.10	3	-9	Lerwick	4.7	—	32	—	—	—	—	—	
Orkneys	Deerness	160	p	47	17th	37	19th	45.6	39.1	42.2	-0.2	3	0.19	5	-6	Deerness	6.4	+1.1	43	—	—	—	—	—	
Hebrides	Stornoway	51	t	53	17, 18	33	17, 18	50.4	37.6	43.7	+0.2	1	0.01	0.2	-16	Stornoway	8.1	+2.6	55	—	—	—	—	—	
	Castlebay	37	t	54	15th	40	19th	49.4	42.6	45.8	—	0	0.00	0	—	Castlebay	10.0	—	69	—	—	—	—	—	
Caithness	Wick	81	t	46	17th	38	20th	44.1	40.6	42.3	-0.8	2	0.11	3	-8										
Ross and Cromarty	Strathpeffer	125	a	—	—	—	—	—	—	—	—	—	—	—	—										
Inverness	Achnashellach	225	a	59	17th	33	19th	51.7	35.3	43.1	—	2	0.07	2	—	Achnashellach	—	—	—	29	—	—	—	—	
	Inverness	242	a	—	—	—	—	—	—	—	—	—	—	—	—	Inverness	—	—	—	—	—	—	—	—	
	Fort Augustus	68	a	57	17th	32	18th	49.3	36.0	42.3	-1.7	1	0.09	2	-12										
	Fort William	171	p	59	16th	29	20th	53.1	34.7	43.5	-1.6	0	0.00	0	-23										
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	60	17th	31	18th	49.1	35.7	42.1	-1.9	3	0.20	5	-3	Nairn	6.0	—	41	—	—	—	—	—	
Elgin	Gordon Castle	101	p	57	16th	34	18th	49.9	37.0	43.1	-1.2	2	0.02	1	-8	Gordon Castle	5.8	—	40	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	48	18th	37	18th	46.0	39.3	42.5	—	3	0.06	2	-8	Aberdeen	3.5	-1.9	24	27	—	—	43.5	+1.1	
	Balmoral	930	a	51	15th	28	18th	45.6	32.1	38.5	-2.4	2	0.14	4	-7	Balmoral	—	—	5	25	—	—	—	—	
Perth	Crieff	478	p	52	15th	34	18, 21	46.6	35.4	40.7	-4.1	2	0.03	1	-10	(Kin.) Crathes	3.4	-1.7	23	3	28	43.5	42.7	—	
Forfar	Dundee	147	a	52	15th	35	15, 17	47.3	36.7	41.8	—	2	0.06	2	—	Dundee	3.9	—	27	1	30	44.3	—	—	
Pife	Inchkeith	190	t	52	17th	36	18th	46.6	38.4	42.3	—	2	0.06	1	—	Inchkeith	3.9	—	27	1	28	—	—	—	
Midlothian	Edinburgh	441	p	51	17th	31	18th	44.0	35.6	39.6	-4.4	1	0.12	3	-4	Edinburgh	3.3	-1.5	23	2	24	—	—	—	
Peebles	West Linton	770	a	54	15, 16	26	19th	48.7	31.4	39.6	-1.8	2	0.26	7	—	West Linton	—	—	5	21	—	—	—	—	
Berwick	Marchmont	498	a	53	15th	29	18th	45.6	33.6	39.3	-4.1	1	0.05	1	-10	Marchmont	3.8	-1.1	26	—	—	—	—	—	
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	—	—	—	—	—	—	—	—	—	—	—	—	Ford	—	—	—	—	—	—	—	—	
Renfrew	Renfrew	49	t	54	15, 17	33	17, 18	49.6	36.9	43.0	—	0	0.00	0	—	Renfrew	5.1	—	35	3	23	—	—	—	
Bute	Rothsay	200	p	53	15th	35	18th	49.0	37.6	43.0	-2.6	0	0.00	0	-16	Rothsay	7.5	—	52	0	32	45.7	44.7	+0.3	
Ayr	Kilmarnock	90	a	58	17th	29	20th	52.3	35.0	43.2	-1.3	2	0.03	1	-10	Kilmarnock	6.8	—	47	—	—	45.4	—	—	
	Colmonell	170	a	58	16th	32	20th	52.7	36.7	44.3	-0.5	0	0.00	0	-13	Colmonell	—	—	1	24	—	—	—	—	
Dumfries	Dumfries	140	p	53	15, 17	31	18th	49.3	34.0	41.3	-4.2	1	0.02	0.4	-12	Dumfries	6.6	—	46	5	26	45.2	+0.2	45.0	
	Eskdalemuir	794	t	52	15th	26	17, 18	45.9	29.7	37.4	—	2	0.10	3	—	Eskdalemuir	4.9	—	34	6	31	—	—	—	
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	a	51	16, 20	38	21st	48.7	40.1	44.2	-1.2	0	0.00	0	-13	Douglas	4.1	-2.0	29	0	36	—	—	—	—
2. ENGLAND, N.E.																									
Northumb.	Cockle Park	324	p	51	15th	31	20th	45.9	34.6	40.0	-2.7	—	—	—	—	Cockle Park	4.4	-0.4	31	5	16	42.2	-1.2	43.8	
berland	Tynemouth	118	t	51	15th	39	15th	46.0	39.0	42.3	-1.8	1	0.08	2	-6	Tynemouth	—	—	1	30	—	—	—	+0.8	
Durham	Durham	336	p	51	15th	29	15th	45.4	34.6	39.7	-4.4	3	0.11	3	-5	Durham	4.3	-0.3	30	5	19	—	—	—	
York	Rounton	249	p	53	15th	28	20th	48.0	33.3	40.3	-3.6	2	0.05	1	-8	Rounton	—	—	7	20	—	—	—	—	
N. Riding	West Witton	605	a	51	15th	31	15th	46.4	34.9	40.4	—	3	0.06	2	—	West Witton	—	—	2	28	—	—	42.9	—	
	Scarborough	118	a	54	15th	39	18, 21	47.6	39.7	43.5	-1.5	1	0.02	1	-7	Scarborough	5.8	+0.6	41	—	—	—	46.3	—	
	York	56	p	54	15th	31	20th	48.1	37.1	42.3	-3.8	1	0.02	1	-8	York	4.2	-0.3	30	—	—	46.0	+0.8	45.5	
E. Riding	Spurn Head	26	t	50	15th	39	17th	46.7	40.3	43.4	-1.7	0	0.00	0	-6	Spurn Head	5.5	—	39	—	—	—	—	—	
Lincoln	Lincoln	58	a	57	15th	34	15th	51.4	37.9	44.3	-2.2	0	0.00	0	-7	Lincoln	—	—	0	31	—	46.4	+0.7	46.4	
	Cranwell	237	t	57	15th	29	15, 21	50.6	34.6	42.2	-4.1	0	0.00	0	-8	Cranwell	4.9	-0.5	35	4	23	—	—	+2.2	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	5.1	-0.7	36	—	—	—	—	—	
Norfolk	Cromer	196	a	57	15th	37	15, 18, 19	49.6	38.4	43.7	-1.5	0	0.00	0	-5	Cromer	5.8	+0.1	41	—	—	—	—	—	
	Yarmouth	13	t	51	15th	40	18th	48.3	42.1	45.1	+0.2	0	0.00	0	-7	Yarmouth	5.4	—	38	0	32	49.1	+1.4	48.4	
	Norwich	93	a	58	15th	35	15th	51.2	38.3	44.4	-1.5	0	0.00	0	-7	Norwich	6.0	—	43	3	29	48.0	—	+1.6	
	Gedleston	37	a	58	15th	36	18th	50.6	39.0	44.5	-1.0	0	0.00	0	-6	Gedleston	5.2	-0.5	37	—	—	—	—	—	
Cambridge	Cambridge	41	p	—	—	—	—	—	—	—	—	—	—	—	—	Cambridge	3.4	-2.2	24	—	—	48.3	+0.9	47.7	
Hertford	Rothamsted	420	a	53	15th	33	21st	49.9	36.7	43.0	-2.5	1	0.04	1	-6	Rothamsted	3.0	-2.3	21	5	26	44.9	—	+1.4	
Middlesex	Tottenham	51	p	55	15, 20	38	15th	52.7	40.9	46.5	—	1	0.01	0.3	—	Tottenham	3.2	—	23	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	52	15, 20, 21	39	21st	50.1	42.6	46.2	+0.7	1	0.01	0.2	-6	Clacton-on-Sea	4.8	-1.4	34	0	35	48.9	+1.7	48.7	
	Southend	90	a	56	20th	38	21st	51.6	41.0	46.1	—	1	0.04	1	—	Southend	3.3	—	24	0	37	48.7	—	+1.7	
4. MIDLAND COUNTIES.																									
York	Harrogate	479	a	51	15th	30	15th	46.6	35.0	40.5	-3.6	1	0.01	0.3	-9	Harrogate	3.3	-1.9	23	3	23	43.8	+0.1	44.8	
W. Riding	Sheffield	429	p	54	15th	35	20, 21	48.0	37.3	42.4	—	1	0.04	1	-8	Sheffield	2.4	-2.3	17	1	29	44.0	+0.3	44.3	
Derby	Buxton	987	p	50	15th	32	20, 21	45.4	34.7	39.8	-3.1	1	0.06	2	-11	Buxton	3.2	—	23	2	29	43.3	-0.3	43.7	
Nottingham	Worksop (Hods'ck P)	86	a	57	15th	31	15, 20	51.1	35.3	42.8	-3.0	1	0.02	1	-6	Worksop	3.6	-0.9	26	4	24	46.5	—	46.7	
	Nottingham	52	t	55	15th	34	15th	50.1	37.3	43.4	-2.6	1	0.12	3	-3	Nottingham	3.1	-1.8	22	0	31	45.2	-0.2	45.1	
Warwick	Birmingham (Edg.)	525	t	57	20th	34	21st	50.1	37.0	43.2	-2.6	1	0.03	1	-7	Birmingham	2.9	-1.1	21	0	31	43.1	-0.7	45.2	
Northampton	Raunds	213	a	55	15, 16, 20	33	21st	51.7	36.3	43.6	-2.7	1	0.02	1	-6	Raunds	2.8	—	27	2	29	47.0	—	+1.0	
Oxford	Oxford	208	p	56	16th	34	21st	52.1	38.6	45.0	-2.0	2	0.11	3	-4	Oxford	3.9								

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sun-shine Hours per Day			Ground Temperature					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			In.	mm.						Ground	Frost	Lowest Reading	Mean	Deviation from normal	Mean
8a. SOUTH WALES.		Ft.	*F.	*F.	*F.	*F.	*F.	*F.							Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.			
Cardigan	Aberystwyth ...	16	h	57	16, 20	38	21st	53·7	41·9	47·5	—	2	0·08	2	—	Aberystwyth	4·9	- 0·6	35	—	—	—			
Pembroke	St. Ann's Hd. ...	149	t	54	16, 20	36	21st	50·4	42·3	46·2	+0·1	4	0·56	14	+ 4	St. Ann's Hd.	3·7	- 2·3	26	—	—	—			
Radnor	Rhayader... ..	757	a	52	16th	33	21st	48·1	42·3	42·6	—	2	0·26	7	—	Rhayader ..	2·2	—	16	2	26	—			
Glamorgan	Cardiff	202	p	56	16th	35	21st	51·1	39·6	45·1	-1·4	3	0·34	9	- 3	Cardiff ..	2·5	—	18	0	31	47·4	+0·1	47·7	+1·9
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	55	16, 20	32	21st	52·6	39·1	45·5	-1·5	3	0·25	6	- 4	Bath ..	2·6	- 2·8	19	—	—	48·6	—	48·3	—
Dorset	Shaftesbury ...	722	a	54	20th	33	21st	50·0	36·9	43·1	-2·5	4	0·51	13	+ 3	Shaftesbury ..	—	—	—	—	—	45·3	—	46·3	—
Devon	Portland Bill ...	19	t	55	16th	38	21st	51·3	42·3	46·6	-0·3	4	0·57	15	+ 8	Weymouth ...	3·7	—	26	—	—	—	—	—	—
	Arlington	613	a	53	16th	35	21st	49·7	40·4	44·8	-0·7	2	0·50	13	- 2										
	Cullompton	202	a	55	16th	36	15, 21	52·0	41·1	46·3	-0·8	4	0·50	13	+ 2	Cullompton ...	3·0	- 2·3	22	1	30	48·4	—	—	—
	Plymouth... ..	116	p	55	16, 20	39	21st	53·4	44·0	48·5	+0·4	4	0·91	23	+12	Plymouth ..	4·2	-1·7	30	0	37	50·0	+0·8	49·4	—
Cornwall	Newquay	190	h	56	19th	38	17th	52·7	42·9	47·6	+0·1	2	0·44	11	+ 2	Newquay ..	6·0	+0·1	43	—	—	49·4	—	48·8	—
	Falmouth... ..	167	h	56	19th	40	15, 17	53·7	43·6	48·4	+0·8	4	0·72	18	+ 6	Falmouth ..	5·4	-0·8	39	0	34	51·6	—	50·7	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	50	17th	40	21st	47·4	41·9	44·5	-1·1	0	0·00	0	-11	Malin Head ..	5·1	—	35	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallarany	120	a	59	16th	40	21st	51·0	42·7	46·7	-	4	0·91	23	—	Mallarany ..	2·7	—	19	0	33	—	—	—	—
Sligo	Markree Castle ...	122	p	58	16th	34	21st	51·9	41·0	46·2	+0·3	4	0·29	7	- 8	Markree Castle	2·8	-2·1	19	1	26	47·3	-0·5	46·4	+0·7
Armagh	Armagh	204	p	54	16th	36	21st	48·6	40·1	44·2	-1·8	3	0·22	6	- 6										
Down	Donaghadee ...	35	t	53	16th	40	21st	48·3	42·6	45·3	-0·7	2	0·18	5	- 7	Armagh ..	2·9	-1·9	20	1	27	46·0	-0·6	45·9	+0·4
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	52	15th	40	21st	49·6	43·6	46·5	-1·4	3	0·20	5	- 5	Trinity Coll.	—	—	—	0	34	47·7	+0·1	47·8	+1·1
King's County	Birr Castle ...	175	t	55	16th	33	21st	50·3	41·1	45·5	-0·8	4	0·59	15	+ 4	Phoenix Park	1·9	-3·4	13	1	30	—	—	—	—
Kilkenny	Kilkenny	195	a	55	16th	36	21st	50·6	43·1	46·7	-0·1	3	0·78	20	+ 9	Dublin City ...	—	—	—	0	36	—	—	—	—
Waterford	Waterford	137	a	56	16th	38	16, 21	51·0	42·9	46·8	-0·6	5	0·83	21	+ 8	Birr Castle ..	—	—	—	1	25	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	56	16th	35	21st	48·4	40·6	44·3	—	4	1·60	48	—	Seskin ..	1·6	—	11	0	31	—	—	—	—
Limerick	Poynes	50	a	58	16th	33	21st	51·3	40·3	45·5	-2·3	5	1·48	38	+25										
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—
	Killarney	174	a	60	16th	35	21st	53·9	42·8	48·1	+0·3	6	1·51	38	+21	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	3·2	-2·2	23	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's ...	131	t	54	16, 19, 30	42	21st	52·4	45·3	48·7	+0·3	4	0·51	13	+ 4	St. Mary's ..	5·2	-1·0	37	—	—	—	—	—	—
Guernsey	Grange	173	p	57	19th	43	15, 21	54·0	44·9	49·2	+0·1	4	0·55	14	+ 4	Grange ..	5·7	-0·9	41	0	37	51·4	+1·7	50·1	+1·5
Jersey	St. Aubins ...	25	t	58	17, 19, 30	40	17th	55·6	45·6	50·4	+1·3	5	1·22	31	+21	St. Heliers ..	4·8	-1·8	35	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, April 21st, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.		o	m.p.h.	m/s.	d	hr.	m.p.h.	m/s.	d	h.	m.
Shetlands Lerwick ...	310	42	+	—	0	15, 20, 21	37	56	56	19	0	30	38	17	20	21	51	23	20	17	50
Orkneys **Deerness ...	188	16	5	—	0	Instrument out		of adjustment.													
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	21	8	58	86	16	0	20	30	13	21	9	41	19	21	9	10
Edinburgh Edinburgh ...	485	39	31	—	0	21	9	40	91	28	0	60	27	12	21	13	48	21	21	12	35
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	54	108	6	0	60	24	11	21	15	51	23	21	18	25
Dumfries Eskdalemuir ...	825	50	22	—	0	21	11	63	60	34	0	20	32	14	21	16	57	25	21	11	40
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	21	4	66	85	13	0	70	27	12	21	20	38	17	21	9	45
York, E.R. Spurn Head ...	67	41	+	—	0	21	2	112	53	1	0	20	27	12	21	15	36	16	21	22	20
Lincoln Cranwell ...	280	43	31	—	0	—	0	62	(92)	(14)	0	40	22	10	21	16	29	13	21	16	45
3. ENGLAND, E																					
Norfolk Gorleston ...	52	42	+	—	0	20, 21	22	89	54	3	0	30	28	13	21	10	37	17	21	19	10
Essex Shoeburyness...	103	90	+	—	0	20, 21	17	83	64	0	4	40	30	13	21	8	39	17	21	10	30
5. ENGLAND, S.E																					
Surrey Richmond ...	82	65	22	—	0	—	0	36	118	14	0	30	18	8	21	9	32	14	21	8	25
Kent Lympne ...	409	70	+	—	0	20, 21	24	40	101	3	0	20	36	16	21	8	51	23	21	7	30
Surrey Croydon ...	234	40	24	—	0	21	0	44	116	8	0	30	24	11	21	9	39	17	21	11	5
Hampshire Petersfield ...	811	42	+	—	0	21	3	27	112	26	0	20	27	12	21	7	42	19	21	7	30
Sussex Brighton ...	261	53	6	—	0	21	9	50	108	1	0	—	27	12	21	6	43	19	21	5	35
Hampshire S. Farnboro' ...	444	160	—	—	0	20, 21	9	80	78	1	0	50	29	13	21	8	43	19	21	8	5
Wiltshire Larkhill, S'y ...	513	63	43	—	0	15, 20, 21	25	95	(48)	(0)	0	40	34	15	21	8	42	19	21	8	20
7a. ENGLAND, N.W.																					
Lancashire Fleetwood ...	109	44	—	—	0	21	5	93	70	0	0	40	29	13	21	23	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	20, 21	4	120	44	0	0	40	25	11	21	13	39	17	21	12	50
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	—	0	19, 20, 21	26	89	43	10	0	60	33	15	(20 8)	(21 24)	44	20	21	24	0
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	15, 18, 21	15	84	52	17	0	—	35	16	21	7	51	23	21	7	15
Cornwall Pendennis ...	256	65	24	—	0	15, 17, 20	16	70	39	12	31	70	32	14	20	9	39	17	20	9	5
10. IRELAND, S																					
Dublin Kingstown ...	49	27	—	—	0	15, 18, 20, 21	50	100	13	5	0	110	34	15	15	6	—	—	—	—	—
Clare Quilty ...	100	40	+	—	0	17, 18, 21	23	49	72	24	0	—	31	14	17	10	43	19	17	15	10
Kerry Cahirciveen ...	98	41	+	—	0	17, 21	18	93	43	14	0	180	29	13	17	21	56	25	17	20	10
Cork Weaver Pt. ...	160	30	+	—	0	17, 18, 21	19	81	52	16	0	—	31	14	17	24	40	18	17	23	45
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	—	0	15, 16, 20, 21	48	98	22	0	0	—	38	17	15	10	52	23	15	10	5

††Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
‡Standard mounting. §Direction from the Robinson Anemometer at Falmouth Observatory **For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		SIXTEENTH WEEK of 1923—April 15th to April 21st, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		59	29	49.1	36.9	42.7	- 0.8	19	- 6	14	- 1	2	- 2	0.06	2	- 15	7.2	+ 2.3	50	1014
Eastern.																				
1. SCOTLAND, EAST ..		60	26	47.3	35.4	41.0	- 2.7	15	- 15	22	+ 4	2	- 2	0.10	3	- 7	4.0	- 1.0	27	1014
2. ENGLAND, N.E. ..		57	28	47.7	36.8	42.0	- 2.8	16	- 14	16	+ 5	1	- 2	0.04	1	- 7	4.8	- 0.4	34	1011
3. ENGLAND, EAST ..		58	33	50.3	39.7	44.8	- 1.0	26	- 12	6	- 5	0	- 3	0.00	0	- 7	4.4	- 1.2	31	1009
4. MIDLAND COUNTIES ..		57	30	50.5	37.0	43.4	- 2.5	24	- 16	14	+ 1	2	- 1	0.10	3	- 5	3.0	- 2.0	21	1008
5. ENGLAND, S.E. ..		57	33	52.1	40.5	46.0	- 0.9	32	- 10	4	- 3	3	0	0.30	8	0	4.2	- 1.5	30	1007
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		58	29	50.3	36.7	43.2	- 2.0	23	- 10	15	+ 5	1	- 3	0.01	0	- 15	—	—	—	1012
7. ENGLAND, N.W. (and North Wales) ..		56	26	50.5	36.9	43.4	- 2.4	24	- 11	14	+ 6	1	- 2	0.01	0	- 10	5.7	+ 0.3	40	1008
8. ENGLAND, S.W. (and South Wales) ..		56	32	51.2	40.7	45.7	- 1.0	30	- 9	4	- 2	3	0	0.51	13	+ 2	4.0	- 1.6	29	1005
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	- 2.0	20	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		58	40	54.0	45.3	49.4	+ 0.5	52	+ 4	0	0	4	+ 1	0.76	19	+ 9	5.2	- 1.3	38	1004
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, March 4th to April 21st, 1923																				
0. SCOTLAND, NORTH ..		62	25	49.1	37.1	42.9	+ 2.2	142	+ 37	101	- 71	18	- 15	2.21	56	- 103	4.8	+ 1.0	38	1016
Eastern.																				
1. SCOTLAND, EAST ..		64	20	47.7	35.8	41.5	+ 0.7	116	- 15	139	- 49	20	- 9	2.26	58	- 32	3.2	- 1.0	25	1016
2. ENGLAND, N.E. ..		67	25	48.6	37.7	42.9	+ 0.7	137	- 12	92	- 51	20	- 6	2.10	54	- 12	3.5	- 1.0	28	1016
3. ENGLAND, EAST ..		69	25	50.5	39.1	44.6	+ 1.7	191	+ 6	61	- 79	20	- 3	2.02	50	- 13	4.0	- 0.6	32	1015
4. MIDLAND COUNTIES ..		68	28	50.5	37.7	43.9	+ 1.0	180	- 14	88	- 64	24	+ 1	3.11	80	+ 11	2.6	- 1.6	20	1014
5. ENGLAND, S.E. ..		68	26	51.5	40.2	45.6	+ 1.6	222	+ 22	44	- 59	25	+ 2	2.97	76	+ 6	3.9	- 0.8	31	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		63	23	50.5	37.4	43.7	+ 1.3	176	+ 30	90	- 39	19	- 10	3.41	86	- 44	—	—	—	1015
7. ENGLAND, N.W. (and North Wales) ..		66	25	50.8	38.8	44.6	+ 1.7	189	+ 31	62	- 50	19	- 6	2.42	61	- 30	3.8	- 0.5	30	1014
8. ENGLAND, S.W. (and South Wales) ..		64	28	50.8	40.1	45.3	+ 1.1	201	+ 6	42	- 47	23	- 2	3.30	83	- 21	3.6	- 1.1	28	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.8	- 0.3	30	1014
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	35	53.0	43.8	48.2	+ 1.5	305	+ 51	0	- 26	29	+ 2	3.97	101	+ 14	4.6	- 0.9	36	1012
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 16 Weeks, December 31st, 1922, to April 21st, 1923																				
0. SCOTLAND, NORTH ..		62	25	46.7	37.2	41.9	+ 2.7	225	+ 66	239	- 239	69	- 10	14.86	377	- 57	2.7	+ 0.3	26	1008
Eastern.																				
1. SCOTLAND, EAST ..		64	20	45.6	36.0	40.7	+ 1.8	192	+ 4	336	- 205	66	+ 1	9.28	238	+ 21	2.2	- 0.7	21	1010
2. ENGLAND, N.E. ..		67	25	46.7	37.3	42.0	+ 1.9	254	+ 35	257	- 174	57	- 3	7.02	181	+ 26	2.6	- 0.6	25	1012
3. ENGLAND, EAST ..		69	23	48.2	37.9	43.0	+ 2.6	330	+ 64	215	- 234	60	+ 2	6.63	167	+ 15	2.9	- 0.4	28	1013
4. MIDLAND COUNTIES ..		68	22	48.3	37.2	42.7	+ 2.3	322	+ 40	248	- 220	65	+ 7	10.31	263	+ 88	2.2	- 0.7	20	1012
5. ENGLAND, S.E. ..		68	22	49.3	38.8	44.0	+ 2.4	392	+ 88	167	- 181	65	+ 8	9.18	234	+ 50	3.0	- 0.3	28	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		63	20	47.9	37.5	42.7	+ 2.0	303	+ 80	226	- 145	70	- 1	14.52	368	+ 13	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		66	24	48.5	38.9	43.6	+ 2.5	341	+ 99	158	- 190	67	+ 5	9.72	247	+ 8	2.5	- 0.5	24	1011
8. ENGLAND, S.W. (and South Wales) ..		64	24	49.3	39.8	44.5	+ 2.1	397	+ 74	118	- 159	70	+ 7	14.68	373	+ 92	2.7	- 0.6	25	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	- 0.1	26	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	32	51.4	43.5	47.4	+ 2.1	611	+ 146	3	- 97	78	+ 9	12.27	312	+ 75	3.3	- 0.6	31	1013
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 1923 69

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.FORTY-SIXTH YEAR. } No. 17.
Vol. XL. (New Series)

SEVENTEENTH WEEK.

SUNDAY, APRIL 22ND, TO SATURDAY, APRIL 28TH, 1923.

Price 9d. Net, Post free 9½d.

Annual Subscription
(including Postage), £2 0s. 0d.

The weather of the week over the British Isles generally was of a rather unsettled type. Showers of rain fell in all parts of the country, and hail occurred in several places. Snow fell at a few stations, notably in Scotland, in fact, at Crieff (Perth) on the morning of the 25th "snow lying" to a depth of 4 inches was recorded. The heaviest falls of rain occurred about the middle of the week and amongst the largest measurements were 23mm. at Dumfries and Mallarany and 20mm. at Eskdalemuir on the 24th, while on the 25th, 32mm. fell at Brighton, 31mm. at Worthing, 28mm. at Ventnor, 27mm. at Colmonell (Ayr) 25mm. at St. Leonards and 24mm. at Fort William (Inverness) and Guernsey. The total rainfall for the week was below the normal in all parts of the country, the largest deficit, between 4° and 5° F., occurring in the Scottish districts. Maximum temperatures above 55° F. were registered in many places and at one or two stations readings round about 60° F. were recorded, the highest being 61° F. in London (Camden Square) on the 28th. The lowest of the screen minima occurred during the first half of the week in most parts of the country, when several places

registered readings below 32° F. the actual lowest reading being 23° F. at Kilmarnock (Ayr) on the 24th. Ground Frosts were general and at a number of places grass temperatures were decidedly low for the time of the year, Rhayader (Radnor) having a reading of 14° F. on the 23rd and Blackpool 12° F. and Renfrew 13° F. on the 24th. There were several good records of sunshine obtained in various parts of the country: amongst the largest amounts recorded, being 13·2 hours at Rhyl and at Rothesay (Bute) and 13·0 hours at Douglas (Isle of Man) on the 22nd, 12·5 hours at Lancaster and Pembroke and 12·4 hours at Norwich on the 24th, 13·0 hours at Blackpool and 12·9 hours at Southport on the 27th and 13·4 hours at Clifton (Gloucester) on the 28th. The departure of the mean duration from the normal for the week ranged from +3·8 hours Southport to -1·4 hours at St. Leonards. Thunderstorms occurred at several places in the eastern and south-eastern parts of England notably on the 26th. Solar and lunar halos were observed at a number of stations on various dates during the week. A parhelion was seen at Oxford on the 28th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahiriveen.†	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	—	—	8	10 4·3	12	9 3·9	10	8 3·7	12	11 4·8	—	—	12	12 5·2	9	9 4·0
North	—	—	12	11 4·8	14	13 5·7	15	7 3·1	13	14 6·1	—	—	15	9 3·8	16	9 4·1
West	—	—	19	10 4·5	16	8 3·6	17	6 2·6	20	11 4·7	—	—	22	11 4·9	15	11 5·1
East	—	—	4	7 3·1	8	11 5·1	7	5 2·2	5	16 7·2	—	—	5	13 5·7	9	7 3·3
Calm (or wind- speed < 4 m.p.h.)	—	—	3	—	1	—	2	—	2	—	—	—	1	—	3	—
No record ...	—	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

† Components from Pressure Tube Anemometer.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.												
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See back.</i>	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth	Very Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	—	—	Deficient
	Rainfall	Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	—	Heavy
	Sunshine	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	—	Abundant	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 8 weeks from March 4th, 1923.	Warmth	3, 4, 1	1, 5, 2	1, 5, 2	2, 5, 1	2, 4, 2	2, 5, 1	2, 4, 2	2, 4, 2	2, 5, 1	—	—	2, 5, 1
	Rainfall	1, 2, 5	2, 2, 4	2, 2, 4	3, 3, 2	2, 5, 1	2, 6, 0	2, 3, 3	1, 3, 4	2, 4, 2	—	—	4, 4, 0
	Sunshine	4, 3, 1	2, 3, 3	2, 3, 3	1, 4, 3	1, 1, 6	0, 5, 3	—	2, 4, 2	1, 2, 5	3, 3, 2	—	0, 5, 3

NOTE.

Explanatory Notes will be given in the "Guide to the Tables" and the Weekly Issues to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

70 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.					
				Highest	Date	Lowest	Date	Mean for the Week				No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean	Deviation from Normal							Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																							
Shetlands	Lerwick	54	t	47	28th	32	23, 24	43.1	34.3	38.5	- 3.5	7	1.07	27	1.14	—	39	—	—	—	—	—	
Orkneys	Deerness	160	t	46	25, 26	31	24th	44.3	35.3	39.6	- 3.4	7	1.80	46	+ 3.4	—	31	—	—	—	—	—	
Hebrides	Stornoway	51	t	51	28th	30	24th	47.0	35.0	40.7	- 3.4	7	1.07	27	1.11	—	44	—	—	—	—	—	
	Castletay	37	t	48	22, 26, 28	37	24, 25, 27	47.0	39.1	42.9	—	5	0.66	17	—	—	58	—	—	—	—	—	
Caithness	Wick	81	t	47	28th	29	28th	44.7	34.9	39.6	- 4.1	7	1.06	27	+ 1.5	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	t	51	25th	29	28th	48.0	33.5	40.4	- 4.7	7	0.39	10	- 1	—	—	—	—	—	—	—	
Inverness	Achnashellach	225	a	50	25th	24	24th	46.7	32.1	39.1	—	7	1.70	43	—	—	3	20	—	—	—	—	
	Inverness	242	h	50	25th	24	24th	46.7	32.1	39.1	—	7	1.70	43	—	—	—	—	—	—	—	—	
	Fort Augustus	68	h	50	22nd	27	27, 28	47.3	31.7	39.1	- 5.7	5	0.60	15	+ 1	—	—	—	—	—	—	—	
	Fort William	171	p	53	22nd	28	24th	49.4	32.1	40.3	- 5.7	5	1.51	38	+ 1.4	—	—	—	—	—	—	—	
1. SCOTLAND, E.																							
Nairn	Nairn	82	t	55	25th	30	28th	49.0	34.6	41.5	- 3.6	6	0.00	15	+ 5	—	38	—	—	—	—	—	
Elgin	Gordon Castle	101	p	53	25, 26	31	28th	48.7	34.1	41.1	- 4.3	6	0.05	17	+ 3	—	35	—	—	—	—	—	
Aberdeen	Aberdeen	46	a	55	25th	31	28th	48.3	35.7	41.7	—	6	0.60	15	+ 3	—	38	4	21	—	—	43.9	
	Balmoral	930	a	49	25th	25	28th	44.1	29.6	36.5	- 5.6	6	0.68	17	+ 3	—	6	13	—	—	—	—	
Perth	Crieff	478	p	50	22, 25	30	23, 24, 27	48.4	32.0	39.8	- 6.2	5	0.67	17	- 3	—	38	4	22	—	—	43.0	
Forfar	Dundee	147	a	53	25th	30	24th	49.9	34.0	41.6	—	4	0.50	13	—	—	37	4	27	—	—	44.7	
Fife	Inchkeith	190	t	51	25th	34	25th	48.4	36.9	42.4	—	3	0.33	8	—	—	52	2	28	—	—	—	
Midlothian	Edinburgh	441	p	53	25th	30	24th	48.0	34.4	40.9	- 4.1	6	0.46	12	+ 3	—	42	—	—	—	—	—	
Peebles	West Linton	770	a	54	28th	25	28th	49.0	30.7	39.4	- 3.2	7	0.88	22	—	—	5	13	—	—	—	—	
Berwick	Marchmont	498	a	54	25th	30	24, 27	49.1	33.1	40.7	- 3.8	5	0.42	11	- 3	—	44	—	—	—	—	—	
6a. SCOTLAND, W.																							
Argyle	Ford	149	a	54	24th	25	24th	50.3	34.6	42.1	—	4	1.28	32	—	—	3	20	—	—	—	44.5	
Renfrew	Renfrew	49	t	53	25th	27	24, 27	50.1	31.6	40.4	—	5	0.81	21	—	—	49	6	13	—	—	—	
Bute	Rothsay	200	p	53	24th	31	24th	49.3	34.6	41.6	- 5.0	5	1.30	33	+ 1.4	—	51	3	24	—	—	45.1	
Ayr	Kilmarnock	90	a	54	22, 25	23	24th	52.1	32.3	41.7	- 4.0	3	1.01	26	+ 1.3	—	41	—	—	—	—	44.6	
	Colmonell	170	a	53	25th	27	24th	50.7	34.3	42.1	- 3.8	2	1.19	30	+ 1.4	—	4	22	—	—	—	—	
Dumfries	Dumfries	140	p	53	25th	27	24th	49.4	34.3	41.5	- 5.2	4	1.26	32	- 1.7	—	78	4	18	—	—	44.9	
	Eskdalemuir	794	t	49	26th	24	28th	46.6	30.3	38.1	—	5	1.34	34	—	—	45	4	20	—	—	45.0	
6b. ISLE OF MAN.																							
I. of Man	Douglas	284	h	52	25th	31	24th	50.0	37.7	43.6	- 2.8	4	0.78	20	+ 5	—	63	2	26	—	—	—	
2. ENGLAND, N.E.																							
Northumberland	Cockle Park	324	p	54	25th	30	24th	49.0	34.1	41.2	- 2.8	5	0.42	11	- 2	—	42	5	21	—	—	41.9	
	Tynemouth	118	p	56	25th	31	24th	48.9	37.1	42.7	- 2.6	5	0.32	8	—	—	1	20	—	—	—	43.8	
Durham	Durham	336	p	55	25th	29	24th	49.6	34.1	41.5	- 3.9	6	0.31	8	- 3	—	38	4	21	—	—	—	
York	Rounton	249	p	54	25, 26	27	24th	49.9	34.6	41.9	- 3.3	7	0.37	9	- 2	—	6	15	—	—	—	—	
N. Riding	West Witton	605	a	54	25th	30	23, 24	50.6	34.1	42.0	—	5	1.07	27	—	—	3	26	—	—	—	43.2	
	Scarborough	118	h	58	25th	33	24th	51.7	37.3	44.2	- 2.1	6	0.25	6	- 5	—	48	—	—	—	—	46.4	
	York	56	p	56	25th	30	24th	52.3	37.0	44.3	- 3.3	4	0.33	8	- 3	—	44	—	—	—	—	46.1	
E. Riding	Spurn Head	26	t	54	25, 26	34	24th	49.1	39.7	44.2	- 2.3	5	0.42	11	+ 3	—	42	—	—	—	—	—	
Lincoln	Lincoln	58	t	57	28th	30	24th	52.3	36.9	44.2	- 3.9	4	0.31	8	- 2	—	1	26	—	—	—	46.1	
	Cranwell	237	a	57	28th	28	24th	52.6	35.3	43.5	- 4.3	4	0.28	7	- 4	—	55	4	25	—	—	46.6	
3. ENGLAND, E.																							
Norfolk	Cromer	196	a	57	—	35	24, 25	—	38.5	—	—	5	0.41	10	+ 1	—	42	—	—	—	—	—	
	Yarmouth	13	t	57	28th	33	24th	51.1	39.9	45.2	- 1.3	4	0.41	10	- 1	—	33	1	28	—	—	4.3	
	Norwich	93	a	58	28th	31	23rd	52.7	37.0	44.9	- 2.8	5	0.60	15	+ 2	—	39	3	26	—	—	47.1	
	Geldeston	37	a	59	28th	32	23, 24	53.1	37.6	45.0	- 2.2	3	0.32	8	- 3	—	35	—	—	—	—	—	
Cambridge	Cambridge	41	p	—	—	31	23rd	—	37.4	—	—	5	0.48	12	+ 1	—	43	—	—	—	—	47.6	
Hertford	Rothamsted	420	a	54	22, 23, 26	29	23rd	51.9	35.9	43.5	- 3.8	4	0.42	11	- 2	—	40	5	21	—	—	44.8	
Middlesex	Tottenham	51	p	59	28th	33	23rd	54.3	40.1	46.9	—	4	0.73	19	—	—	42	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	57	28th	39	23rd	52.1	41.4	46.5	- 0.7	2	0.48	12	+ 1	—	41	1	28	—	—	48.2	
	Southend	90	h	59	28th	33	23rd	54.1	39.3	46.3	—	4	0.54	14	—	—	38	0	33	—	—	48.0	
4. MIDLAND COUNTIES.																							
York	Harrrogate	479	h	55	25th	29	24th	50.4	34.1	41.9	- 3.6	5	0.39	10	- 4	—	51	5	24	—	—	44.0	
W. Riding	Sheffield	429	p	55	25, 26	32	24th	51.7	37.0	44.0	—	5	0.53	13	- 1	—	46	3	25	—	—	44.1	
Derby	Buxton	987	p	51	28th	27	24th	48.3	33.3	40.4	- 4.0	6	1.02	26	+ 6	—	48	2	26	—	—	42.6	
Nottingham	Worksop (Hodsok P)	56	a	59	28th	28	24th	54.6	35.4	44.5	- 2.8	5	0.24	6	- 5	—	44	4	18	—	—	46.5	
	Nottingham	82	t	58	25th	32	24th	52.9	37.7	44.9	- 2.6	5	0.35	9	- 1	—	50	0	34	—	—	44.7	
Warwick	Birmingham (Edg.)	525	t	56	28th	31	23rd	52.3	36.7	44.1	- 3.3	5	0.38	9	- 4	—	37	3	22	—	—	42.9	
Northampton	Raunds	213	a	58	28th	30	23rd	54.1	35.7	44.5	- 3.4	5	0.31	8	- 3	—	48	3	26	—	—	46.8	
Oxford	Oxford	208	p	56	28th	30	23rd	53.4	37.3	45.0	- 3.5	4	0.51	13	+ 1	—	40	3	24	—	—	—	
Stafford	Cheadle	646	a	57	25th	30	23rd	52.4	35.4	43.5	- 2.7	5	0.29	7	- 7	—	4	25	—	—	—	—	
Worcester	Tenbury	313	p	58	28th	25	23rd	54.3	33.9	43.6	- 3.7	4	0.36	9	- 1	—	5	19	—	—	—	46.7	
	Malvern	377	h	56	25th	35	23, 24	52.7	38.7	45.4	—	5	0.47	12	—	—	36	2	27	—	—	46.3	
Hereford	Hereford	291	a	59	28th	28	23rd	52.7	35.0	43.4	- 4.8	4	0.30	7	- 6	—	49	4	21	—	—	47.2	
Gloucester	Clifton	225	a	55	22, 27	33	23rd	53.1	38.3	45.3	- 4.2	3	0.69	17	+ 3	—	49	0	23	—	—	—	

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature										
				Highest.	Date	Lowest.	Date	Mean for the Week			No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.						
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean								Deviation from Normal	Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal				
8a. SOUTH WALES.		Ft.		°F.		°F.		°F.		°F.			in.	mm.	mm.		Aberystwyth	Hr.	Hr.			°F.		°F.		°F.		°F.
Cardigan	Aberystwyth	16	h	56	22nd	33	23rd	51.7	38.6	44.8	—	4	0.43	11	—	—	Aberystwyth	8.0	+2.3	55	—	—	—	—	—	—	—	—
Pembroke	St. Ann's Hd.	149	t	55	22nd	38	24th	51.3	41.3	46.1	-1.3	3	0.43	11	-5	—	St. Ann's Hd.	8.0	+1.7	55	—	—	—	—	—	—	—	—
Radnor	Rhayader	757	a	53	25th	26	23rd	50.1	33.7	41.5	—	5	0.51	13	—	—	Rhayader	6.6	—	45	6	14	—	—	—	—	—	—
Glamorgan	Cardiff	202	p	55	22, 27	34	23rd	53.3	37.9	45.2	-2.9	3	0.90	25	+4	—	Cardiff	7.6	—	52	3	25	47.1	-1.7	47.7	+1.0	—	—
8b. ENGLAND, S.W.																												
Somerset	Bath	66	h	56	27, 28	31	23rd	54.3	38.0	45.8	-2.8	4	0.43	11	-5	—	Bath	6.3	+0.4	42	—	—	48.8	—	48.6	—	—	—
Dorset	Shaftesbury	722	a	55	27th	31	23rd	51.3	36.0	43.3	-3.9	5	1.05	27	+9	—	Shaftesbury	—	—	—	—	—	45.6	—	45.9	—	—	—
Devon	Portland Bill	19	t	52	25, 26, 28	36	23rd	51.0	41.4	46.0	-2.3	5	0.96	24	+12	—	Weymouth	6.6	—	46	—	—	—	—	—	—	—	—
	Arlington	613	a	52	28th	32	23rd	50.9	36.7	43.5	-3.5	4	1.34	34	+9	—												
	Cullompton	202	a	56	27, 28	31	28th	53.0	36.4	44.3	-4.4	6	1.04	26	+7	—	Cullompton	5.5	-0.1	38	5	25	48.6	—	—	—	—	—
Cornwall	Plymouth	116	p	55	28th	35	28th	52.6	40.3	46.2	-3.4	4	0.84	21	+3	—	Plymouth	5.4	-0.9	37	3	28	49.3	-1.4	49.7	—	—	—
	Newquay	190	h	53	28th	37	23rd	50.2	42.4	46.1	-2.7	5	0.93	24	+9	—	Newquay	7.3	+1.0	51	—	—	49.5	—	49.1	—	—	—
	Falmouth	167	h	56	28th	37	23rd	52.7	39.7	45.9	-3.1	4	1.25	32	+12	—	Falmouth	6.8	+0.2	48	0	32	50.3	—	51.8	—	—	—
9. IRELAND, N.																												
Donegal	Malin Head	71	t	53	25th	37	25th	48.1	39.3	43.5	-2.7	5	0.46	12	0	—	Malin Head	9.7	—	65	—	—	—	—	—	—	—	—
Mayo	Blackod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—	—												
Sligo	Mallaraun	120	a	54	22, 28	36	23, 27	51.9	39.1	45.2	—	5	1.53	39	—	—	Mallaraun	7.3	—	50	3	23	—	—	—	—	—	—
	Markree Castle	122	p	56	22nd	25	24th	52.0	34.7	42.9	-3.6	7	0.85	22	+5	—	Markree Castle	7.0	+2.0	48	4	22	47.4	-1.9	46.9	+0.4	—	—
Armagh	Armagh	204	p	55	25th	29	24th	53.0	34.9	43.5	-3.2	5	0.68	17	+3	—	Armagh	8.3	+3.3	56	4	23	45.9	-2.2	46.2	-0.2	—	—
Down	Donaghadee	35	t	55	25th	36	27, 28	50.4	38.7	44.3	-2.3	6	0.76	19	+6	—												
10. IRELAND, S.																												
Dublin	Dublin City	54	p	56	25th	33	24th	52.1	38.1	44.8	-4.1	5	0.37	9	-5	—	Trinity Coll.	—	—	—	2	28	47.0	-1.9	47.8	+0.3	—	—
King's County	Birr Castle	175	t	54	28th	27	24th	51.9	34.7	42.9	-4.4	6	0.46	12	-4	—	Phoenix Park	8.6	+2.9	58	4	21	—	—	—	—	—	—
Kilkenny	Kilkenny	195	a	55	25, 28	—	—	53.9	—	—	—	4	0.46	12	-2	—	Dublin City	—	—	—	3	27	—	—	—	—	—	—
Waterford	Waterford	137	a	—	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle	—	—	—	4	19	—	—	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	60	22nd	28	24th	55.1	34.6	44.4	—	4	0.44	11	—	—	Seskin	8.6	—	59	3	22	—	—	—	—	—	—
Limerick	Foynes	50	a	55	27, 28	32	24th	53.1	37.9	45.1	-3.6	4	0.41	10	-7	—												
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—	—	—
Cork	Killarney	174	a	57	22, 25, 28	31	24th	56.0	37.6	46.4	-2.3	6	0.50	13	-10	—	(Valencia O.)	—	—	—	—	—	—	—	—	—	—	—
	Roche's Point	32	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	7.9	+2.2	54	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																												
Scilly	St. Mary's	131	t	54	27, 28	41	27th	52.3	43.4	47.6	-1.8	6	0.82	21	+7	—	St. Mary's	6.8	+0.5	48	—	—	—	—	—	—	—	—
Guernsey	Grange	173	p	56	27th	41	25th	52.6	43.4	47.8	-2.6	4	1.03	26	+12	—	Grange	7.9	+1.0	55	0	37	50.7	-0.3	50.7	+1.2	—	—
Jersey	St. Aubins	25	t	55	24, 26, 27	37	28th	54.1	42.7	48.1	-2.3	2	0.47	12	-2	—	St. Heliers	7.0	+0.3	49	—	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, April 28th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dur. ^s duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed		Time.				
															m/s	d.	h.	m.	m/s	d.	h.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.		°	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s	d.	h.	m.
Shetlands	310	42	†	25, 26	11	22 to 27	45	69	34	9	0	20	43	19	26	13	57	25	26	13	45
Orkneys	188	16	5																		
(Cup Anr.)																					
1. SCOTLAND, E.																					
Aberdeen	72	42	†	—	0	25	4	73	79	12	0	160	27	12	25	5	44	20	25	6	0
Edinburgh	485	39	31	—	0	25, 26	5	79	72	12	0	180	38	16	25	5	45	20	25	4	55
6a. SCOTLAND, W.																					
Renfrew	188	81	15	—	0	—	0	42	105	21	0	350	22	10	26	17	46	21	25	13	5
Dumfries	825	50	22	—	0	25	1	83	42	34	8	220	25	11	25	8	40	18	25	14	50
2. ENGLAND, N.E.																					
Durham	72	61	12	—	0	25	1	59	97	11	0	190	25	11	25	5	41	18	25	4	40
York, E.R.	67	41	†	—	0	22, 24 to 27	32	81	(40)	(2)	4	180	36	16	25	7	48	21	25	6	55
Lincoln	280	43	31	—	0	25, 26	3	80	(78)	(7)	0	290	26	12	26	17	37	17	26	17	20
3. ENGLAND, E.																					
Norfolk	52	42	†	—	0	22, 25	20	56	83	9	0	220	30	13	25	10	42	19	25	10	45
Essex	103	90	†	25	1	22, 25, 26	29	52	63	1	22	220	39	17	25	12	51	23	25	10	55
5. ENGLAND, S.E.																					
Surrey	82	85	22	—	0	—	0	36	106	26	0	210	23	10	25	10	46	21	26	12	25
(Kew Obs.)...																					
Kent	409	70	†	—	0	22, 25, 26	29	61	68	10	0	220	38	17	26	4	54	24	25	12	40
Surrey	284	40	24	—	0	25	3	41	108	16	0	210	28	13	25	11	44	20	25	9	40
Hampshire	811	42	†	—	0	—	0	50	100	15	3	230	22	10	25	15	41	18	25	13	0
(Stoner Hill)...																					
Sussex	261	53	6	—	0	25	8	55	87	18	0	—	29	13	25	13	45	20	25	10	55
Brighton																					
Hampshire	444	160	—	—	0	23, 25, 26	19	80	63	6	0	200	34	15	25	8	52	23	25	8	5
(Pye's Tr.)...																					
Wiltshire	513	63	43	—	0	22, 25, 26	30	97	(41)	(0)	0	230	33	15	25	8	43	19	25	9	10
Larkhill, S'y Plain ...																					
7a. ENGLAND, N.W.																					
Lancashire	109	44	—	26	5	22, 25, 26	18	66	66	13	0	290	45	20	26	16	—	—	—	—	—
(Cup Anr.)...																					
Lancashire	80	62	48	26	2	22, 25, 26, 28	22	74	(57)	(13)	0	290	40	18	26	15	50	22	26	16	20
Southport ...																					
7b. NORTH WALES.																					
Anglesey	64	45	†	—	0	22, 24, 25, 26	31	79	49	9	0	40	35	16	(22 2)	—	55	25	25	3	35
Holyhead ...																					
8b. ENGLAND, S.W.																					
Devon	185	88	2	—	0	25	11	68	72	17	0	—	30	13	25	6	45	20	25	5	30
Plymouth ...																					
Cornwall	256	65	24	—	0	24, 25	13	60	74	20	1	220	38	17	25	4	47	21	25	3	50
Pendennis Castle ...																					
10. IRELAND, S.																					
Dublin	49	27	—	—	0	22, 24, 25, 26	16	102	47	3	0	50	32	14	22	2	—	—	—	—	—
(Cup Anr.)...																					
Clare	100	40	†	—	0	24, 25, 26	16	86	46	20	0	—	30	13	24	23	42	19	24	22	20
Kerry	98	41	†	—	0	24 to 26	13	73	64	18	0	200	31	14	24	22	47	21	24	21	35
(Val. Obs.)...																					
Cork	160	30	†	—	0	22, 24, 25	9	84	72	3	0	—	32	14	23	24	50	22	25	0	55
Weaver Pt. ...																					
11a. SCILLY ISLES.																					
St. Mary's	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scilly																					

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		SEVENTEENTH WEEK of 1923—April 22nd to April 28th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
0. SCOTLAND, NORTH ..		°F. 53	°F. 24	°F. 46.6	°F. 33.4	°F. 39.7	°F. - 4.7	day- deg. F. 13	day- deg. F. - 16	day- deg. F. 29	day- deg. F. + 17			inches. 1.06	mm. 27	mm. + 10	hr. 5.7	hr. + 1.1	% 37	mb. 1004
Eastern.																				
1. SCOTLAND, EAST ..		55	25	48.1	33.3	40.4	- 4.4	17	- 17	28	+ 15	6	+ 2	0.60	15	+ 3	5.9	+ 0.7	39	1004
2. ENGLAND, N.E. ..		58	27	50.6	36.2	43.1	- 3.0	24	- 13	16	+ 8	5	+ 1	0.33	8	- 3	6.7	+ 1.3	45	1007
3. ENGLAND, EAST ..		59	29	52.5	38.8	45.3	- 2.2	32	- 13	9	+ 2	4	0	0.48	12	0	5.8	0.0	40	1008
4. MIDLAND COUNTIES ..		59	25	53.0	35.9	44.1	- 3.3	32	- 15	17	+ 8	5	+ 1	0.38	10	- 3	6.4	+ 1.0	44	1007
5. ENGLAND, S.E. ..		59	28	52.8	39.3	45.7	- 2.8	33	- 16	8	+ 4	4	0	0.89	23	+ 9	5.4	- 0.6	38	1008
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		54	23	50.3	34.2	41.9	- 4.4	23	- 16	24	+ 17	4	0	1.09	28	+ 10	—	—	—	1006
7. ENGLAND, N.W. (and North Wales) ..		56	26	50.5	37.5	43.7	- 3.4	25	- 15	13	+ 8	5	+ 1	0.55	14	0	8.0	+ 2.8	55	1007
8. ENGLAND, S.W. (and South Wales) ..		56	26	52.1	38.1	44.8	- 3.4	31	- 15	11	+ 8	4	0	0.88	22	+ 3	6.7	+ 0.8	46	1009
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.7	+ 2.7	52	1007
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		56	37	53.0	43.2	47.8	- 2.2	41	- 16	0	0	4	0	0.77	20	+ 6	7.3	+ 0.5	51	1010
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, March 4th to April 28th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	48.8	36.6	42.5	+ 1.4	155	+ 21	130	- 54	24	- 13	3.29	83	- 93	4.9	+ 1.0	37	1014
Eastern.																				
1. SCOTLAND, EAST ..		64	20	47.8	35.5	41.4	+ 0.1	133	- 32	167	- 34	26	- 7	2.86	73	- 29	3.5	- 0.8	27	1015
2. ENGLAND, N.E. ..		67	25	48.8	37.5	45.0	+ 0.3	161	- 25	108	- 43	25	- 5	2.42	62	- 15	3.9	- 0.7	30	1015
3. ENGLAND, EAST ..		69	25	50.7	39.1	44.7	+ 1.2	223	- 7	70	- 77	25	- 2	2.51	62	- 13	4.3	- 0.5	33	1014
4. MIDLAND COUNTIES ..		68	25	50.8	37.5	43.9	+ 0.5	212	- 29	105	- 56	29	+ 2	3.49	90	+ 8	3.1	- 1.2	24	1013
5. ENGLAND, S.E. ..		68	26	51.7	40.1	45.7	+ 1.1	255	+ 6	52	- 55	29	+ 2	3.86	99	+ 15	4.1	- 0.8	32	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		63	23	50.5	37.0	43.5	+ 0.6	199	+ 14	114	- 22	23	- 10	4.50	114	- 34	—	—	—	1014
7. ENGLAND, N.W. (and North Wales) ..		66	25	50.8	38.6	44.5	+ 1.0	214	+ 16	75	- 42	24	- 5	2.97	75	- 30	4.2	- 0.3	33	1013
8. ENGLAND, S.W. (and South Wales) ..		64	26	50.9	39.9	45.2	+ 0.5	232	- 9	53	- 39	27	- 2	4.18	105	- 18	4.0	- 0.8	31	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.2	0.0	33	1013
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	35	53.0	43.7	48.2	+ 1.1	346	+ 35	0	- 26	33	+ 2	4.74	121	+ 20	4.9	- 0.7	38	1012
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 17 Weeks, December 31st, 1922, to April 28th, 1923																				
0. SCOTLAND, NORTH ..		62	24	46.7	37.0	41.8	+ 2.3	238	+ 50	268	- 222	75	- 8	15.94	404	- 47	2.9	+ 0.3	27	1008
Eastern.																				
1. SCOTLAND, EAST ..		64	20	45.7	35.8	40.7	+ 1.5	209	- 13	364	- 190	72	+ 3	9.88	253	+ 24	2.4	- 0.7	23	1009
2. ENGLAND, N.E. ..		67	25	46.9	37.2	42.0	+ 1.5	278	+ 22	273	- 166	62	- 2	7.34	189	+ 23	2.9	- 0.4	27	1011
3. ENGLAND, EAST ..		69	23	48.4	37.9	43.1	+ 2.3	362	+ 51	224	- 232	65	+ 3	7.12	179	+ 15	3.1	- 0.3	29	1013
4. MIDLAND COUNTIES ..		68	22	48.5	37.1	42.8	+ 2.0	354	+ 25	265	- 212	70	+ 8	10.69	273	+ 85	2.4	- 0.6	22	1012
5. ENGLAND, S.E. ..		68	22	49.5	38.8	44.1	+ 2.1	425	+ 72	175	- 177	69	+ 8	10.07	257	+ 59	3.1	- 0.4	28	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		63	20	48.0	37.3	42.6	+ 1.6	326	+ 64	250	- 128	74	- 1	15.61	396	+ 23	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		66	24	48.6	38.8	43.6	+ 2.2	366	+ 84	171	- 182	72	+ 6	10.27	261	+ 8	2.8	- 0.3	26	1011
8. ENGLAND, S.W. (and South Wales) ..		64	24	49.5	39.7	44.5	+ 1.7	428	+ 59	129	- 151	74	+ 7	15.56	395	+ 95	2.9	- 0.5	27	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	0.0	28	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		64	32	51.5	43.4	47.4	+ 1.8	652	+ 130	3	- 97	82	+ 9	13.04	332	+ 81	3.6	- 0.4	32	1013
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
4th May, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

73

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE, at the following addresses:—
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Vol. XL. (New Series) }

EIGHTEENTH WEEK.

SUNDAY, APRIL 29TH, TO SATURDAY, MAY 5TH, 1923.

14 MAY 1923
Price 9d. Net. Post free 9½d.
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(including Postage), £2 0s. 0d.

Over the British Islands, as a whole, the weather during the greater part of the week was of a rather unsettled character. Showers of rain fell in most places, and at one or two stations hail was reported. The week was notable for the exceedingly high temperatures, for the time of year, recorded during the latter half of the period in the eastern and south-eastern parts of England. Maximum temperatures above 75°F. were registered in several places and in some parts readings round about 80°F. were obtained, the actual highest reading being 82°F. at Norwich and in London (Camden Square) on May 4th. The night temperatures were also decidedly high in most places, and at several stations minimum readings between 50° and 55°F. were registered, in fact at Margate on on May the 4th and 5th temperature did not fall below 57°F. There were one or two rather low minimum readings in Scotland, the lowest 28°F. (in the screen) and 20°F. (on the grass) being recorded at Balmoral on the 29th. Mean temperature, for the week was above the normal in all districts, the greatest excess 8·4°F. occurring in England E. The total rainfall for the week was above the normal in Scotland N., the Midland counties and England N.W. but in all other districts it was below

the normal. Amongst the largest measurements were 25mm. at Achnashellach, 22mm. at Stonyhurst, 19mm. at Manchester and 18mm. at Buxton on April 30th and 23mm. at Hodsock Priory (Worksop), 21mm. at Tenby, 20mm. at Rhayader 19mm. at Hull and 18mm. at Lincoln on May 5th. The largest amounts of sunshine, were recorded generally during the latter half of the week when several places registered between 13 and 14 hours. The total amount of sunshine for the week was above the normal at a few stations, but over the country as a whole it was below. The departure of the mean duration from the normal for the week ranged from, +1·9 hours at Durham to -3·3 hours at Ballinacurra (Co. Cork). Thunderstorms occurred in several places, notably on the last day of the week. Lunar halos were witnessed at Oxford on April 29th and at Yarmouth and in London on May 2nd. Solar halos were observed at a number of stations on various days during the week. A sun pillar was observed at Ross-on-Wye on May 3rd. The Zodiacal Light was seen at Clacton on April 30th, at Oxford on May 3rd, and at Deerness on the 3rd and 5th.

I.—GENERAL SUMMARY. [First published in 1878.]

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM		SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirveen.†		
		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.	
			m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s
South	...	16	6	2·9	10	6	2·8	19	7	3·1	20	7	3·1	21	11	4·8	11	9	3·9	24	6	2·9	22	10	4·5
North	...	7	4	1·7	6	4	1·7	1	4	1·7	0	—	—	5	4	1·7	5	8	3·4	1	2	1·0	3	2	0·7
West	...	16	10	4·3	25	13	5·7	12	7	3·3	21	6	2·5	25	7	3·2	9	14	6·2	17	8	3·6	20	8	3·4
East	...	10	7	3·0	2	6	2·7	7	5	2·1	0	—	—	1	6	2·5	6	8	3·5	8	4	1·6	5	5	2·4
Calm (or wind- speed < 4 m.p.h.)		1	—	—	1	—	—	8	—	—	7	—	—	2	—	—	2	—	—	2	—	—	3	—	—
No record		0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

† Components from Pressure Tube Anemometer.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.						WESTERN SECTION.						Extreme S.
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England N.W. (and N. Wales)	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Moderate	Unusual	Very Unusual	—	—	Very Unusual	
	Rainfall ..	Heavy	Moderate	Moderate	Light	Moderate	Light	Moderate	Heavy	Moderate	—	—	Light	
	Sunshine ..	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate	Scanty	Moderate	—	Moderate	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 9 weeks from March 4th, 1923.	Warmth ..	3, 5, 1	1, 6, 2	2, 5, 2	3, 5, 1	3, 4, 2	3, 5, 1	2, 5, 2	3, 4, 2	3, 5, 1	—	—	3, 5, 1
		2, 2, 5	2, 3, 4	2, 3, 4	3, 3, 3	2, 6, 1	2, 6, 1	2, 4, 3	2, 3, 4	2, 5, 2	—	—	4, 4, 1
		5, 3, 1	2, 4, 3	2, 4, 3	1, 5, 3	1, 2, 6	0, 6, 3	—	2, 5, 2	1, 2, 6	3, 4, 2	—	0, 6, 3

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.		Ft.		°F		°F		°F		°F				hr.		%		°F		°F		°F		
Shetlands	Lerwick	54	t	53	5th	37	1, 2	49.7	30.0	44.6	+2.3	5	0.70	18	+4	—	—	—	—	—	—	—	—	
Orkneys	Deerness	160	t	56	4th	36	29th	50.1	40.6	45.1	+1.8	4	0.28	7	+6	—	—	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	54	4th	36	29, 1	50.3	41.3	45.5	+1.1	4	0.81	21	+4	—	—	—	—	—	—	—	—	
	Castlebay	37	t	51	2nd	40	29, 3	49.7	42.9	46.1	—	4	0.40	10	—	—	—	—	—	—	—	—	—	
Caithness	Wick	81	t	61	4th	34	29th	51.6	40.3	45.6	+1.6	4	1.04	27	+14	—	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	t	62	4th	33	29th	53.9	38.8	45.9	+0.2	5	0.98	25	+13	—	—	—	—	—	—	—	—	
Inverness	Achnashellach	225	t	56	2nd	33	3rd	51.4	39.3	45.0	—	5	1.71	43	—	—	—	—	—	—	—	—	—	
	Inverness	242	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Fort Augustus	68	t	59	3, 4	36	29, 3	52.9	40.6	46.4	+1.1	3	0.80	20	+5	—	—	—	—	—	—	—	—	
	Fort William	171	t	59	2nd	36	29th	54.9	41.6	47.0	+1.3	5	1.04	26	0	—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	64	4th	34	29th	55.0	40.3	47.2	+1.6	4	0.60	15	+5	—	—	—	—	—	—	—	—	
Elgin	Gordon Castle	101	t	65	4th	34	29th	55.9	41.0	48.0	+2.1	3	0.53	13	+1	—	—	—	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	68	4th	35	29th	55.9	41.7	48.4	—	3	0.14	4	—	—	—	—	—	—	—	—	—	
	Balmoral	930	t	63	4th	28	29th	53.4	36.6	44.5	+1.7	6	0.46	12	—	—	—	—	—	—	—	—	+0.2	
Perth	Crieff	478	t	61	4th	33	29th	56.6	40.4	48.0	+1.3	4	0.27	7	—	—	—	—	—	—	—	—	—	
Forfar	Dundee	147	t	66	4th	34	29th	58.3	41.4	49.3	—	3	0.35	9	—	—	—	—	—	—	—	—	—	
Fife	Inchkeith	190	t	57	3, 5	38	29th	54.3	43.6	48.6	—	3	0.13	3	—	—	—	—	—	—	—	—	—	
Midlothian	Edinburgh	441	t	62	3rd	36	29th	57.3	43.0	49.7	+4.2	2	0.21	5	—	—	—	—	—	—	—	—	—	
Peebles	West Linton	770	t	62	3rd	32	29th	57.7	38.1	47.3	+4.0	3	0.70	18	—	—	—	—	—	—	—	—	—	
Berwick	Marchmont	498	t	67	3rd	32	29th	58.7	39.6	48.6	+3.5	3	0.20	5	—	—	—	—	—	—	—	—	—	
2a. SCOTLAND, W.																								
Argyle	Ford	149	t	58	5th	35	29, 3	55.0	40.4	47.3	—	4	0.97	25	—	—	—	—	—	—	—	—	—	
Renfrew	Renfrew	49	t	61	3, 5	35	4th	57.9	42.3	49.6	—	4	0.40	10	—	—	—	—	—	—	—	—	—	
Bute	Rothsay	200	t	60	3, 5	36	29th	56.9	41.9	49.0	+1.8	5	0.56	14	—	—	—	—	—	—	—	—	—	
Ayr	Kilmarnock	90	t	65	5th	34	3rd	59.7	42.0	50.3	+3.9	3	0.61	15	0	—	—	—	—	—	—	—	—	
	Colmonell	170	t	64	3rd	33	3rd	58.9	42.6	50.3	+3.7	3	0.21	5	—	—	—	—	—	—	—	—	—	
Dumfries	Dumfries	140	t	62	3rd	37	29, 3	58.0	42.4	49.7	+2.3	2	0.15	4	—	—	—	—	—	—	—	—	—	
	Esdailemuir	794	t	62	3rd	33	29th	55.9	38.6	46.7	—	3	0.55	14	—	—	—	—	—	—	—	—	—	
2b. ISLE OF MAN.																								
I. of Man	Douglas	284	t	58	4th	37	29th	55.3	44.1	49.4	+2.4	2	0.50	13	—	—	—	—	—	—	—	—	—	
3. ENGLAND, N.E.																								
Northumberland	Cockle Park	324	t	65	3, 4	36	29th	60.1	41.4	50.2	+5.6	2	0.11	3	—	—	—	—	—	—	—	—	—	
Durham	Tynemouth	118	t	67	4th	39	29th	59.3	45.1	51.8	+0.1	3	0.26	7	—	—	—	—	—	—	—	—	—	
York	Durham	336	t	68	3rd	36	29th	59.9	42.0	50.4	+4.4	3	0.37	9	—	—	—	—	—	—	—	—	—	
	Rounton	249	t	69	3rd	34	29th	62.0	41.7	51.2	+5.4	2	0.31	8	—	—	—	—	—	—	—	—	—	
N. Riding	West Witton	605	t	66	3rd	35	29th	60.6	42.1	50.8	—	3	0.42	11	—	—	—	—	—	—	—	—	—	
	Scarborough	118	t	68	3, 4	39	29th	61.9	46.3	53.6	+6.8	2	0.69	18	+7	—	—	—	—	—	—	—	—	
	York	56	t	68	4th	40	29th	62.4	46.1	53.8	+5.5	2	0.34	9	—	—	—	—	—	—	—	—	—	
E. Riding	Spurn Head	26	t	62	3, 4	41	29th	57.9	47.1	52.2	+5.1	4	0.19	5	—	—	—	—	—	—	—	—	—	
Lincoln	Lincoln	58	t	73	4th	42	29th	64.9	47.1	55.5	+6.6	3	0.76	19	+9	—	—	—	—	—	—	—	—	
	Cranwell	237	t	73	4th	40	3rd	64.0	45.6	54.3	+5.9	2	0.46	12	+1	—	—	—	—	—	—	—	—	
3. ENGLAND, E.																								
Norfolk	Cromer	196	t	78	4th	43	29th	—	47.9	—	—	1	0.02	0.4	—	—	—	—	—	—	—	—	—	
	Yarmouth	13	t	82	4th	43	29th	62.7	48.7	55.3	+8.0	1	0.04	1	—	—	—	—	—	—	—	—	—	
	Norwich	93	t	82	4th	42	29th	60.3	48.4	58.2	+9.6	3	0.05	1	—	—	—	—	—	—	—	—	—	
	Geldeston	37	t	81	4th	43	29th	68.1	48.3	57.6	+9.6	1	0.01	0.3	—	—	—	—	—	—	—	—	—	
Cambridge	Cambridge	41	t	81	4th	41	2nd	68.4	47.0	57.1	+8.0	3	0.06	2	—	—	—	—	—	—	—	—	—	
Hertford	Rothamsted	420	t	76	4th	40	2nd	65.4	46.0	55.1	+7.0	1	0.09	2	—	—	—	—	—	—	—	—	—	
Middlesex	Tottenham	51	t	80	4th	40	29th	68.6	50.3	58.9	—	1	0.01	0.3	—	—	—	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	66	4th	44	29th	60.7	49.0	54.5	+6.4	4	0.10	3	—	—	—	—	—	—	—	—	—	
	Southend	90	t	79	5th	43	29th	67.0	49.0	57.5	—	2	0.09	2	—	—	—	—	—	—	—	—	—	
4. MIDLAND COUNTIES.																								
York	Harrogate	479	t	68	3rd	37	29th	61.4	43.1	51.7	+5.5	3	0.45	11	—	—	—	—	—	—	—	—	—	
W. Riding	Sheffield	429	t	72	3rd	42	29th	62.6	47.3	54.5	—	4	0.51	13	—	—	—	—	—	—	—	—	—	
Derby	Buxton	987	t	69	3rd	40	29th	58.3	45.1	51.3	+6.2	4	1.13	29	+10	—	—	—	—	—	—	—	—	
Nottingham	Worksop (Holds'ckP)	56	t	75	4th	40	29th	65.6	45.4	54.9	+6.9	2	0.95	24	+12	—	—	—	—	—	—	—	—	
	Nottingham	82	t	73	3rd	44	29th	63.6	47.4	55.0	+6.6	3	0.62	16	+6	—	—	—	—	—	—	—	—	
Warwick	Birmingham (Edg.)	525	t	75	3rd	43	29th	63.1	47.4	54.8	+6.5	4	0.70	18	+5	—	—	—	—	—	—	—	—	
Northampton	Raunds	213	t	79	4th	44	29th	66.4	47.0	56.1	+7.3	1	0.09	2	—	—	—	—	—	—	—	—	—	
Oxford	Oxford	208	t	75	3, 4	44	29, 2	66.1	48.4	56.7	+7.3	3	0.09	2	—	—	—	—	—	—	—	—	—	
Stafford	Cheadle	646	t	72	3, 4	42	29th	61.6	45.1	52.9	+5.9	5	0.55	14	+1	—	—	—	—	—	—	—	—	
Worcester	Tenbury	313	t	75	3rd	39																		

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Temperature of the Air.*							Rainfall			Bright Sunshine			Ground Temperature				
			In Degrees Fahrenheit.										Hours per Day							
			Mean for the Week																	
			Highest.	Date	Lowest.	Date	Of Daily Max.	Of Daily Min.	Adjusted Daily Mean	Deviation from Normal	No. of days of Precipitation.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.	Earth 1 ft.	Earth 4 ft.
8a. SOUTH WALES.																				
Cardigan	Aberystwyth	16	h	68	3rd	46	29th	57.9	48.9	53.1	—	5	1.32	34	—	—	23	—	—	—
Pembroke	St. Ann's Hd.	149	h	58	2nd	45	4th	53.7	47.6	50.5	+2.7	5	0.59	15	—	—	21	—	—	—
Radnor	Rhayader	757	a	71	3rd	41	4th	59.1	46.1	52.2	—	5	1.33	34	—	—	34	0	32	—
Glamorgan	Cardiff	202	p	75	3rd	44	4th	60.9	47.4	53.8	+5.0	4	0.61	15	—	—	30	0	39	52.2
8b. ENGLAND, S.W.																				
Somerset	Bath	66	h	76	3rd	42	2nd	65.0	47.4	55.7	+6.3	5	0.47	12	—	—	33	—	—	52.6
Dorset	Shaftesbury	722	a	70	3rd	42	29th	62.7	47.1	54.4	+6.5	2	0.18	5	—	—	45	—	—	51.9
Devon	Portland Bill	19	t	58	2-5	44	29, 30	55.6	46.9	51.0	+2.1	2	0.13	3	—	—	45	—	—	47.8
	Arlington	613	a	72	3rd	42	4th	60.4	46.1	52.8	+5.2	5	0.74	19	—	—	33	0	37	53.0
	Cullompton	202	a	74	3rd	42	2nd	65.7	47.0	55.8	+6.4	4	0.15	4	—	—	34	0	40	52.3
	Plymouth	116	p	70	3rd	47	2, 5	61.6	49.3	55.1	+5.0	4	0.12	3	—	—	34	0	40	52.3
Cornwall	Newquay	190	h	69	3rd	46	4th	57.7	48.9	53.0	+3.8	4	0.53	13	—	—	29	—	—	52.3
	Falmouth	167	h	61	3, 4	47	29, 4, 5	58.0	48.9	53.2	+3.8	4	0.50	13	—	—	33	0	43	54.5
9. IRELAND, N.																				
Donegal	Malin Head	71	t	58	4th	38	3rd	53.3	43.6	48.2	+1.3	4	0.35	9	—	—	44	—	—	—
Mayo	Blackod Point	10	t	—	—	—	—	—	—	—	—	3	0.78	20	—	—	32	0	36	—
Sligo	Mallanary	120	a	62	3rd	43	29th	56.4	46.7	51.3	—	3	0.78	20	—	—	32	1	30	51.3
	Markree Castle	122	p	65	3rd	35	29th	59.2	42.4	50.3	+2.9	4	0.33	8	—	—	32	1	30	51.3
Armagh	Armagh	204	p	64	3rd	37	29th	59.4	45.0	51.8	+4.1	4	0.21	5	—	—	29	0	31	49.0
Down	Donaghadee	35	t	62	1st	37	29th	58.0	42.7	49.9	+2.5	3	0.18	5	—	—	29	0	31	49.0
10. IRELAND, S.																				
Dublin	Dublin City	54	p	64	1st	43	29th	60.4	48.9	54.3	+4.7	1	0.08	2	—	—	33	0	35	—
King's County	Birr Castle	175	t	62	1, 4	42	2nd	59.7	47.6	53.3	+5.2	2	0.45	11	—	—	33	0	35	—
Kilkenny	Kilkenny	195	a	66	1st	—	—	61.4	—	—	—	3	0.22	6	—	—	33	0	35	—
Waterford	Waterford	137	a	64	3rd	44	29th	59.0	48.0	53.2	+4.1	2	0.15	4	—	—	33	0	35	—
	Seskin, Carrick-on-Suir	542	p	62	1st	41	29th	59.6	45.6	52.2	—	3	0.08	2	—	—	33	0	35	—
Limerick	Foynes	50	a	62	2, 5	44	29, 2	59.6	47.9	53.4	+4.0	2	0.34	9	—	—	33	0	35	—
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	3	0.18	5	—	—	33	0	35	—
	Killarney	174	a	64	1st	45	29th	61.3	49.4	55.0	+5.7	3	0.18	5	—	—	33	0	35	—
Cork	Roche's Point	32	t	61	3rd	45	29th	56.7	49.0	52.6	+3.4	4	0.26	7	—	—	33	0	35	—
11. CHANNEL, ISLES & SCILLY.																				
Scilly	St. Mary's	131	t	59	3rd	46	5th	56.0	48.1	51.8	+1.8	2	0.15	4	—	—	26	—	—	—
Guernsey	Guernsey	173	p	74	3rd	46	29th	64.6	50.4	57.1	+5.8	2	0.04	1	—	—	59	0	42	56.4
Jersey	St. Aubins	25	t	78	3rd	47	29th	67.4	51.0	58.7	+7.4	1	0.01	0.3	—	—	56	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 5th, 1923.

DISTRICT, COUNTY & STATION.		Height.			Distribution of Wind. ‡										Extreme Velocities.											
		Above Mean Sea Level.	Above Ground.	Above Building.	More than 28 m.p.h.		25 to 28 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.									
					Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.									
0. SCOTLAND, N.		ft.	ft.	ft.	—	hr.	2 to 5	hr.	65	hr.	50	hr.	8	hr.	0	240	35	m/s.	16	d	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...		310	42	4	—	0	—	45	65	50	8	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Orkneys **Deerness (Cup Anr.)		188	16	5	—	0	3	4	39	118	7	0	250	27	12	3	20	—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.																										
Aberdeen Aberdeen ...		72	42	4	—	0	—	0	26	106	36	0	20	21	9	2	8	30	13	4	16	5	—	—	—	—
Edinburgh Edinburgh ...		485	39	31	—	0	30, 1	3	98	57	10	0	250	27	12	1	3	42	19	1	2	45	—	—	—	—
6a. SCOTLAND, W.																										
Renfrew Paisley ...		188	81	15	—	0	—	0	30	127	11	0	260	19	9	1	2	41	18	30	22	40	—	—	—	—
Dumfries Eskdalemuir ...		825	50	22	—	0	30, 1	9	77	57	25	0	250	28	12	1	1	42	19	1	6	40	—	—	—	—
2. ENGLAND, N.E.																										
Durham South Shields...		72	61	12	—	0	30, 1	4	31	108	25	0	290	28	13	1	1	43	19	1	1	5	—	—	—	—
York, E.R. Spurn Head ...		67	41	4	—	0	—	0	31	127	10	0	220	28	10	1	1	44	20	5	20	35	—	—	—	—
Lincoln Cranwell ...		280	43	31	—	0	—	0	45	(83)	(40)	0	230	24	11	30	14	32	14	30	13	55	—	—	—	—
3. ENGLAND, E.																										
Norfolk Gorleston ...		52	42	4	—	0	—	0	38	95	35	0	220	20	9	30	23	33	15	1	2	40	—	—	—	—
Essex Shoeburyness...		103	90	4	—	0	Out of action.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. ENGLAND, S.E.																										
Surrey Richmond		—	—	—	—	0	—	0	20	93	55	0	230	16	7	30	15	29	13	30	14	35	—	—	—	—
(Kew Obs.)...		82	65	22	—	0	—	0	20	93	55	0	230	16	7	30	15	29	13	30	14	35	—	—	—	—
Kent Lympe ...		409	70	4	—	0	29, 30	11	46	71	40	0	250	29	13	30	13	45	20	30	12	55	—	—	—	—
Surrey Croydon ...		284	40	24	—	0	—	0	43	108	17	0	220	17	8	30	19	30	13	1	0	5	—	—	—	—
Hampshire Petersfield		—	—	—	—	0	—	0	48	89	31	0	230	23	10	30	21	36	16	30	21	0	—	—	—	—
(Stoner Hill)...		811	42	4	—	0	—	0	48	89	31	0	230	23	10	30	21	36	16	30	21	0	—	—	—	—
Sussex Brighton ...		261	53	6	—	0	—	0	47	60	47	14	—	21	9	30	20	32	14	30	20	10	—	—	—	—
Hampshire S. Farnboro'		—	—	—	—	0	—	0	47	60	47	14	—	21	9	30	20	32	14	30	20	10	—	—	—	—
(Pye's Tr.)...		444	160	—	—	0	30, 1	5	77	51	35	0	240	27	12	30	14	42	19	30	23	50	—	—	—	—
Wiltshire Larkhill, S'y Plain ...		513	63	43	—	0	30	10	86	(72)	(0)	0	240	28	13	30	17	35	16	30	16	40	—	—	—	—
7a. ENGLAND, N.W.																										
Lancashire Fleetwood		—	—	—	—	0	—	0	57	87	24	0	200	23	11	30	18	—	—	—	—	—	—	—	—	—
(Cup Anr.)...		109	44	—	—	0	—	0	57	87	24	0	200	23	11	30	18	—	—	—	—	—	—	—	—	—
Lancashire Southport ...		80	62	48	—	0	30	4	69	91	4	0	240	27	12	30	3	41	18	30	16	35	—	—	—	—
7b. NORTH WALES.																										
Anglesey Holyhead ...		64	45	4	—	0	30	7	75	62	24	0	210	28	13	30	16	29	13	1	18	10	—	—	—	—
8b. ENGLAND, S.W.																										
Devon Plymouth ...		185	88	2	—	0	30	3	57	87	21	0	—	25	11	30	14	36	16	30	11	35	—	—	—	—
Cornwall Pendennis		—	—	—	—	0	—	0	57	87	21	0	—	25	11	30	14	36	16	30	11	35	—	—	—	—
Castle ...		256	65	24	—	0	29, 30, 1,	9	43	71	22	23	230	29	13	30	13	38	17	30	11	40	—	—	—	—
10. IRELAND, S																										
Dublin Kingstown		—	—	—	—	0	30	4	35	117	12	0	230	30	13	30	16	—	—	—	—	—	—	—	—	—
(Cup Anr.)...		49	27	—	—	0	30	4	35	117	12	0	230	30	13	30	16	—	—	—	—	—	—	—	—	—
Clare Quilty ...		100	40	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kerry Cahirciveen		—	—	—	—	0	—	0	64	86	12	0	210	25	11	30	7	43	19	30	6	35	—	—	—	—
(Val. Obs.)...		98	41	4	—	0	30	10	57	78	23	0	—	29	13	30	15	46	21	30	14	30	—	—	—	—
Cork Weaver Pt. ...		160	30	4	—	0	30	10	57	78	23	0	—	29	13	30	15	46	21	30	14	30	—	—	—	—
11a. SCILLY ISLES.																										
Scilly St. Mary's		150	32	4	—	0	30, 1	9	84	61	12	2	240	27	12	1	15	35	16	1	15	55	—	—	—	—

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTEENTH WEEK of 1923—April 29th to May 5th, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.					
	°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.						br.	hr.	%	mb.
0. SCOTLAND, NORTH ..	62	33	52.1	40.3	45.8	+0.8	31	0	5	-4	4	-1	1.01	26	+8	6.1	+1.1	39	1009
Eastern.																			
1. SCOTLAND, EAST ..	68	28	55.9	40.2	47.6	+2.1	44	+8	5	-6	4	0	0.38	10	-3	5.4	+0.3	35	1010
2. ENGLAND, N.E. ..	73	34	61.4	44.7	52.6	+5.9	74	+36	0	-5	3	-1	0.39	10	-1	5.8	0.0	38	1014
3. ENGLAND, EAST ..	82	40	66.2	48.2	56.7	+8.4	103	+54	0	-5	2	-2	0.05	1	-9	5.5	-0.9	37	1016
4. MIDLAND COUNTIES	79	37	63.7	46.4	54.5	+6.4	87	+38	0	-7	3	0	0.52	13	+1	4.6	-1.0	31	1015
5. ENGLAND, S.E. ..	81	40	64.7	47.8	55.7	+6.3	96	+42	0	-2	3	0	0.12	3	-7	6.0	-0.5	41	1017
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	65	33	57.4	42.2	49.4	+2.5	52	+11	0	-5	3	-1	0.49	12	-8	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)	73	32	58.0	45.7	51.5	+3.8	67	+24	0	-3	3	-1	0.70	18	+2	5.5	-0.2	36	1015
8. ENGLAND, S.W. (and South Wales)	76	41	60.3	47.4	53.5	+4.7	81	+32	0	-2	4	0	0.48	12	-4	4.5	-1.5	30	1017
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.6	-0.5	30	1012
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	78	46	62.7	49.8	55.9	+5.2	97	+36	0	0	2	-2	0.07	2	-11	6.9	-0.3	47	1018
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, March 4th to May 5th, 1923.																			
0. SCOTLAND, NORTH ..	62	24	49.1	37.0	42.8	+1.2	186	+21	135	-58	28	-14	4.30	109	-85	5.1	+1.1	38	1014
Eastern.																			
1. SCOTLAND, EAST ..	68	20	48.7	36.0	42.1	+0.3	177	-24	172	-40	30	-7	3.24	83	-32	3.7	-0.7	28	1014
2. ENGLAND, N.E. ..	73	25	50.2	38.3	44.0	+0.9	235	+11	108	-48	28	-6	2.81	72	-16	4.1	-0.7	31	1014
3. ENGLAND, EAST ..	82	25	52.5	40.1	46.0	+2.0	326	+47	70	-82	27	-4	2.56	63	-22	4.4	-0.6	33	1014
4. MIDLAND COUNTIES	79	25	52.2	38.5	45.1	+1.1	299	+9	105	-63	32	+2	4.01	103	+9	3.2	-1.3	25	1014
5. ENGLAND, S.E. ..	81	26	53.1	40.9	46.8	+1.7	351	+48	52	-57	32	+2	3.98	102	+8	4.3	-0.8	33	1014
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	65	23	51.2	37.6	44.2	+0.9	251	+25	114	-27	26	-11	4.99	126	-42	—	—	—	1014
7. ENGLAND, N.W. (and North Wales)	73	25	51.6	39.4	45.2	+1.3	281	+40	75	-45	27	-6	3.67	93	-28	4.4	-0.2	33	1013
8. ENGLAND, S.W. (and South Wales)	76	26	52.0	40.7	46.1	+1.0	313	+23	53	-41	31	-2	4.66	117	-22	4.0	-1.0	31	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.3	0.0	32	1013
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	78	35	54.1	44.4	49.0	+1.5	443	+71	0	-26	35	0	4.81	123	+9	5.1	-0.7	39	1013
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 18 Weeks, December 31st, 1922, to May 5th, 1923.																			
0. SCOTLAND, NORTH ..	62	24	47.0	37.2	42.0	+2.2	269	+50	273	-226	79	-9	16.95	430	-39	3.1	+0.4	28	1008
Eastern.																			
1. SCOTLAND, EAST ..	68	20	46.3	36.1	41.1	+1.5	253	-5	369	-196	76	+3	10.26	263	+21	2.6	-0.6	24	1009
2. ENGLAND, N.E. ..	73	25	47.7	37.7	42.6	+1.8	352	+58	273	-171	65	-3	7.73	199	+22	3.0	-0.5	27	1011
3. ENGLAND, EAST ..	82	23	49.4	38.5	43.9	+2.7	465	+105	224	-237	67	+1	7.17	180	+6	3.3	-0.3	29	1013
4. MIDLAND COUNTIES	79	22	49.4	37.6	43.4	+2.2	441	+63	265	-219	73	+8	11.21	286	+86	2.5	-0.7	23	1012
5. ENGLAND, S.E. ..	81	22	50.4	39.3	44.8	+2.4	521	+114	175	-179	72	+8	10.19	260	+52	3.3	-0.5	29	1013
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	65	20	48.6	37.6	43.0	+1.6	378	+75	250	-133	77	-2	16.10	408	+15	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)	73	24	49.1	39.2	44.1	+2.3	433	+108	171	-185	75	+5	10.97	279	+10	2.9	-0.3	27	1011
8. ENGLAND, S.W. (and South Wales)	76	24	50.1	40.1	45.0	+1.9	509	+91	129	-153	78	+7	16.04	407	+91	3.0	-0.6	27	1012
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.1	0.0	28	1009
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	78	32	52.2	43.8	47.9	+2.1	749	+166	3	-97	84	+7	13.11	334	+70	3.7	-0.5	33	1013
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
11th May, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 87, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

FORTY-SIXTH YEAR. } No. 19.
Vol. XL. (New Series) }

NINETEENTH WEEK.

SUNDAY, MAY 6TH, TO SATURDAY, MAY 12TH, 1923.

Price 9d. Net. Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was again changeable and unsettled. Showers of rain or snow fell in most parts of the country and hail occurred in many places. The highest temperatures occurred during the early part of the week in most places, and in some parts maximum readings slightly above 70°F. were recorded, the actual highest readings, 73°F., being registered at Hampstead and Tottenham on the 6th. During the second half of the week there was a considerable drop in temperature in most parts of the country. On the last two days of the week the maximum temperatures in several places were between 20° and 30°F. lower than those registered on the previous Friday and Saturday. There were a few screen minima below 32°F. and at Balmoral on the 9th a reading of 25°F. was registered. Ground frosts occurred in most places and at a few stations grass temperatures round about 20°F. were obtained the lowest reading, 18°F., being recorded at Durham on the 9th. The mean temperature for the week was below the normal in all districts with the exception of England E., where it was about normal. The total amount of precipitation (rain, hail or snow) for the week was in

excess of the normal in most districts. Among the largest measurements, which were mostly recorded in Scotland, were 25mm. at Fort William, 24mm. at Buxton, 22mm. at Killarney, 19mm. at Eskdalemuir and Gordon Castle (Elgin), 18mm. at Achnashellach (Ross-shire) on the 10th, 18mm. at Crathes (Kincardine) on the 11th and 20mm. at Ford (Argyll) on the 12th. The largest amounts of sunshine were generally recorded during the first half of the week when several places had between 13 and 14 hours. Amongst the largest amounts were 14·4 hours at Cahirciveen (Valencia Observatory), 14·2 hours at Inchkeith (Fife) and 14·0 hours at Lancaster on the 7th, 14·2 hours at Aberystwyth and Hoylake, 14·1 hours at Liverpool and 14·0 hours at Pembroke (St. Ann's Head) on the 8th. Thunderstorms occurred during the week in most parts of the country. Solar halos were seen at Clacton on the 9th, at Dublin on the 10th, at South Farnborough on the 11th, at Ross-on-Wye on the 6th, 7th, 8th and 10th, and at Oxford on each day of the week with the exception of the 9th. A sun pillar was observed at Oxford on the 9th and a parhelion on the 6th, 10th and 11th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.†		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	13	8	3·5	4	10	4·3	9	9	4·0	4	3	1·5	6	7	3·1	—	—	—	11	6	2·9	0	—	—
North	13	12	5·3	15	11	5·1	10	8	3·7	13	6	2·5	14	15	6·8	—	—	—	10	10	4·4	25	12	5·5
West	19	12	5·2	23	13	6·0	15	7	3·1	17	8	3·7	22	16	7·2	—	—	—	24	18	8·1	17	9	4·0
East	8	16	7·2	2	8	3·5	5	6	2·5	5	5	2·4	2	2	0·9	—	—	—	3	4	1·7	6	3	1·4
Calm (or wind- speed < 4 m.p.h.)	1	—	—	1	—	—	6	—	—	4	—	—	2	—	—	—	—	—	1	—	—	3	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

† Components from Pressure Tube Anemometer.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ...	Warmth ..	Very Deficient	Very Deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	—	—	Deficient
	Rainfall ..	Very Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	—	—	Very Heavy
	Sunshine ..	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate	—	Abundant	Abundant	Abundant	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 10 weeks from March 4th, 1923.	Warmth	..	3, 5, 2	1, 6, 3	2, 5, 3	3, 6, 1	3, 5, 2	3, 6, 1	2, 5, 3	3, 4, 3	3, 5, 2	—	—	3, 5, 2
	Rainfall	..	3, 2, 5	3, 3, 4	2, 4, 4	3, 4, 3	2, 7, 1	3, 6, 1	3, 4, 3	3, 3, 4	2, 6, 2	—	—	5, 4, 1
	Sunshine	..	5, 4, 1	2, 5, 3	3, 4, 3	1, 6, 3	2, 2, 6	0, 7, 3	—	3, 5, 2	2, 2, 6	4, 4, 2	—	0, 6, 4

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

78

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.								
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.				
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal			
0. SCOTLAND, N.																										
Shetlands	Lerwick	54	t	50	6th	31	10th	46.0	36.9	41.2	-2.3	7	0.89	23	+10	Lerwick	7.1	—	43	—	—	—	—	—	—	
Orkneys	Deerness	160	p	52	6th	32	9, 10	46.3	37.3	41.5	-3.0	7	1.07	27	+15	Deerness	4.6	-1.0	28	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	51	6th	32	10th	48.0	36.4	41.9	-3.7	7	1.49	38	+22	Stornoway	6.9	+0.9	42	—	—	—	—	—	—	
	Castlebay	37	t	49	6, 8, 10	36	10th	47.3	40.1	43.5	—	7	0.86	22	—	Castlebay	8.6	—	54	—	—	—	—	—	—	
Caitness	Wick	81	t	54	6th	30	10th	45.4	36.1	40.5	-4.7	6	1.16	29	+16		—	—	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	a	53	6th	31	9, 10	47.7	36.0	41.5	-5.6	7	1.36	35	+24		—	—	—	—	—	—	—	—	—	
Inverness	Achnashellach	225	h	51	6th	32	10th	46.1	36.3	40.9	—	7	2.64	67	—	Achnashellach	—	—	—	2	28	—	—	—	—	
	Inverness	242	h	52	6th	31	9, 10, 12	47.0	35.1	40.7	-6.0	6	1.60	41	+26	Inverness	—	—	—	—	—	—	—	—	—	
	Fort Augustus	68	a	52	6th	31	10th	50.3	36.7	43.1	-4.9	7	2.07	53	+29		—	—	—	—	—	—	—	—	—	
	Fort William	171	p	54	8th	32	10th	50.3	36.7	43.1	-4.9	7	2.07	53	+29		—	—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																										
Nairn	Nairn	82	t	57	6th	31	10th	48.6	37.0	42.5	-4.7	7	0.96	25	+14	Nairn	4.4	—	27	—	—	—	—	—	—	
Elgin	Gordon Castle	101	p	57	6th	31	10th	48.4	36.1	41.9	-5.6	5	1.99	51	+39	Gordon Castle	4.7	—	29	—	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	60	6th	33	10, 11	51.0	37.6	43.9	—	6	1.38	35	+21	Aberdeen	5.4	-0.5	34	5	22	—	—	—	—	
	Balmoral	930	a	52	6th	25	9th	45.9	31.9	38.5	-6.0	6	1.08	27	+13	Balmoral	—	—	—	5	19	—	—	—	+0.7	
Perth	Crieff	478	p	56	8th	26	10th	49.4	34.0	41.2	-7.2	4	0.31	8	-6	(Kinc.) Crathes	5.2	-0.2	33	5	22	45.1	—	—	—	
Forfar	Dundee	147	a	60	6, 7	31	10th	53.4	37.6	45.0	—	3	0.74	19	—	Dundee	6.0	—	37	2	26	48.9	—	—	—	
Pife	Inchkeith	190	t	53	8th	35	10th	48.6	40.0	44.0	—	4	0.26	7	—	Inchkeith	7.1	—	45	1	28	—	—	—	—	
Midlothian	Edinburgh	441	p	56	6, 8	31	10th	49.9	37.4	43.3	-3.7	5	0.67	17	+7	Edinburgh	6.3	+0.8	39	1	28	—	—	—	—	
Peebles	West Linton	770	a	—	—	—	10th	51.1	34.3	42.2	-2.8	5	0.95	24	—	West Linton	—	—	—	4	22	—	—	—	—	
Berwick	Marchmont	498	a	58	8th	31	10th	49.9	35.3	42.2	-4.5	4	0.86	22	+4	Marchmont	6.6	+1.1	42	—	—	—	—	—	—	
6a. SCOTLAND, W.																										
Argyle	Ford	149	a	53	6, 7	31	10th	51.1	37.3	43.8	—	7	1.89	48	—	Ford	—	—	—	2	27	48.9	—	—	—	
Renfrew	Renfrew	49	t	56	6th	29	10th	51.1	37.1	43.7	—	5	0.65	17	—	Renfrew	6.4	—	40	3	20	—	—	—	—	
Bute	Rothsay	200	p	54	6, 8	33	10th	49.1	37.4	42.9	-6.0	6	1.24	32	+15	Rothsay	5.7	—	36	2	28	48.7	—	—	—	
Ayr	Kilmarnock	90	a	59	7th	29	10th	53.0	38.0	45.1	-3.2	6	0.96	24	+11	Kilmarnock	6.7	—	42	—	—	49.3	—	—	+0.1	
	Colmonell	170	a	56	7th	36	7, 9	51.6	39.0	44.9	-3.5	5	0.99	25	+11	Colmonell	—	—	—	0	31	—	—	—	—	
Dumfries	Dumfries	140	p	56	8th	33	7th	50.9	38.9	44.5	-4.8	5	0.47	12	-2	Dumfries	6.8	—	43	3	25	49.1	-0.6	—	-0.5	
	Eskdalemuir	794	t	55	7, 8	26	7, 9	49.4	32.6	40.2	—	6	1.61	41	—	Eskdalemuir	5.7	—	36	4	22	—	—	—	—	
6b. ISLE OF MAN.																										
I. of Man	Douglas	284	h	56	6, 8	36	10th	51.0	39.3	44.8	-3.9	6	0.79	20	+6	Douglas	7.5	+0.7	47	0	31	—	—	—	—	—
2. ENGLAND, N.E.																										
North-berland	Cockle Park	324	p	60	6th	33	9th	51.9	36.4	43.7	-2.4	4	0.65	17	+4	Cockle Park	6.3	+0.5	40	2	26	46.7	-0.9	—	+1.2	
	Tynemouth	118	t	60	6th	36	10, 12	51.9	39.0	45.1	-2.1	4	0.62	16	+5	Tynemouth	—	—	—	0	33	—	—	—	—	
Durham	Durham	336	p	59	6, 7	32	9th	53.1	36.0	44.0	-3.5	5	0.50	13	+2	Durham	7.5	+2.3	48	5	18	—	—	—	—	
York	Rounton	249	p	61	6th	34	9, 11	54.9	36.7	45.3	-2.0	5	0.62	16	+5	Rounton	—	—	—	4	22	49.7	—	—	—	
N. Riding	West Witton	605	a	59	7th	33	9th	53.1	37.6	44.9	-2.0	5	0.57	14	—	West Witton	—	—	—	1	30	49.3	—	—	—	
	Scarborough	118	h	65	6th	37	12th	54.9	41.6	47.9	-0.4	4	0.59	15	+4	Scarborough	7.4	+1.3	47	—	—	—	—	—	—	
	York	56	p	62	6th	37	8, 12	55.0	39.9	47.0	-3.0	4	0.47	12	+1	York	8.0	+2.6	51	—	—	51.0	+1.4	—	+1.2	
E. Riding	Spurn Head	26	t	60	6th	40	11, 12	52.1	43.0	47.3	-1.4	4	0.41	10	+2	Spurn Head	7.4	—	48	—	—	—	—	—	—	
Lincoln	Lincoln	58	a	67	6th	36	12th	56.9	41.9	49.0	-1.7	3	0.39	10	0	Lincoln	—	—	—	0	32	52.3	+1.7	—	—	
	Cranwell	237	t	65	6th	33	12th	56.1	39.7	47.4	-2.7	4	0.30	8	-3	Cranwell	8.0	+1.5	52	1	30	—	—	—	+2.0	
	Skegness															Skegness	8.5	+1.8	55	—	—	—	—	—	—	
3. ENGLAND, E.																										
Norfolk	Cromer	196	a	63	6th	36	12th	56.7	41.8	48.8	-0.3	4	0.37	9	+1	Cromer	7.6	+1.3	50	—	—	—	—	—	—	
	Yarmouth	13	t	63	6th	35	12th	54.4	44.3	49.1	+0.3	4	0.41	10	0	Yarmouth	7.7	—	50	1	30	54.7	+1.7	—	+1.4	
	Norwich	93	a	70	6th	35	12th	57.6	44.7	50.8	+0.5	4	0.31	8	-3	Norwich	7.3	—	47	0	31	55.8	—	—	—	
	Geleston	37	a	70	6th	35	12th	58.1	44.4	50.8	+1.2	4	0.29	7	-3	Geleston	7.4	+0.6	48	—	—	—	—	—	—	
Cambridge	Cambridge	41	p	69	6th	32	12th	58.4	43.0	50.2	-0.6	4	0.42	11	+1	Cambridge	6.4	+0.1	42	1	28	55.0	+2.6	—	+1.7	
Hertford	Rothamsted	420	a	66	6th	33	12th	55.9	42.7	48.9	-0.9	4	0.28	7	-4	Rothamsted	6.4	+0.3	42	1	28	53.2	—	—	—	
Middlesex	Tottenham	51	p	73	6th	36	12th	59.6	45.9	52.3	—	4	0.25	6	—	Tottenham	6.9	—	45	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	84	6th	35	12th	56.4	45.3	50.5	+0.8	4	0.23	6	-2	Clacton-on-Sea	5.3	-1.9	35	1	30	54.0	+2.3	—	+1.3	
	Southend	90	h	70	6th	35	12th	58.4	44.9	51.3	—	5	0.32	8	—	Southend	5.4	—	36	0	36	55.5	—	—	—	
4. MIDLAND COUNTIES.																										
York	Harrogate	479	h	59	7th	34	9, 11, 12	53.3	36.7	44.5	-3.2	4	0.61	15	+5	Harrogate	9.5	+3.8	61	2	28	48.6	+1.0	—	+1.4	
W. Riding	Sheffield	429	p	59	6th	32	12th	50.7	36.9	43.4	-3.3	4	1.31	33	+19	Sheffield	—	—	—	—	—	—	—	—	—	
Derby	Buxton	987	p	59	6th	32	12th	50.7	36.9	43.4	-3.3	4	1.31	33	+19	Buxton	7.6	—	49	0	34	49.7	+1.4	—	+1.3	
Nottingham	Workshop (HodsckP)	82	a	67	6th	36	12th	58.1	39.7	48.4	-1.2	3	0.36	9	0	Workshop	7.1	+1.8	46	3	27	52.2	—	—	—	
	Nottingham	56	t	65	6th	35	12th	56.1	41.7	48.5	-1.5	3	0.12	3	-5	Nottingham	7.2	+1.4	47	1	29	51.6	+1.1	—	+1.7	
Warwick	Birmingham (Edg.)	525	t	65	6th	34	12th	55.9	41.0	4																

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			Bright Sunshine Hours per Day	Ground Temperature									
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.		In.	mm.	inh.					*F.	*F.	*F.	*F.	*F.		
Cardigan	Aberystwyth ...	16	h	57	6th	38	12th	52.1	42.4	47.0	—	5	0.57	14	—	Aberystwyth	9.2	+2.9	60	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	58	7th	38	10th	52.7	43.7	47.9	-1.4	4	0.45	11	+1	St. Ann's Hd.	10.4	+3.4	68	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	61	8th	34	12th	51.4	39.3	45.0	—	4	1.02	20	—	Rhayader ..	8.2	—	53	3	25	—	—	—	
Glamorgan	Cardiff	202	p	63	7, 8	35	12th	50.4	41.4	48.5	-2.1	4	0.38	10	-3	Cardiff ..	8.5	—	55	1	29	53.3	+1.0	50.0	+1.2
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	64	6, 7, 8	36	12th	58.1	43.9	50.6	-0.6	4	0.40	10	0	Bath ..	7.1	+0.2	46	—	—	55.1	—	51.5	—
Dorset	Shaftesbury ...	722	a	62	7th	32	12th	56.1	40.6	47.9	-1.8	5	0.28	7	-4	Shaftesbury ..	—	—	—	—	—	53.2	—	49.9	—
	Portland Bill ...	19	t	60	7th	42	12th	55.3	47.3	51.1	+0.6	5	0.65	16	+9	Weymouth ...	6.9	—	45	—	—	—	—	—	—
Devon	Arlington	613	a	59	6, 7, 8	34	12th	54.3	41.4	47.5	-1.8	4	1.02	26	+11	Cullompton ..	6.0	-0.4	40	0	31	55.9	—	—	—
	Cullompton	202	a	65	6, 7	37	12th	59.4	44.1	51.3	+0.1	4	0.30	7	-4	Plymouth ..	7.9	+0.9	52	0	32	55.3	+1.4	51.4	—
	Plymouth... ..	116	p	62	7, 8	37	12th	57.0	44.3	50.3	-1.5	5	0.63	16	+5										
Cornwall	Newquay	190	h	57	6th	39	12th	52.1	45.9	48.8	-1.9	3	0.73	19	+10	Newquay ..	6.9	-0.3	45	—	—	52.9	—	50.8	—
	Falmouth... ..	167	h	60	7th	36	12th	56.0	44.1	49.7	-1.3	6	1.08	27	+15	Falmouth ..	6.8	-0.7	45	0	34	54.1	—	54.0	—
9. IRELAND, N.																									
Donegal	Malin Head	71	t	53	7th	36	12th	48.9	40.1	44.2	-4.2	7	0.69	18	+8	Malin Head ..	8.5	—	54	—	—	—	—	—	—
Mayo	Blackod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallarany	120	a	55	8th	36	7, 12	51.1	40.0	45.2	—	5	0.97	25	—	Mallarany ..	7.5	—	48	2	25	—	—	—	—
Sligo	Markree Castle ...	122	p	57	7th	31	7th	51.6	37.3	44.0	-4.9	6	1.08	27	+13	Markree Castle	6.9	+1.1	44	3	27	51.2	-0.7	48.7	+0.5
Armagh	Armagh	204	p	59	8th	32	10th	52.9	36.7	44.3	-5.0	5	0.31	8	-5	Armagh ..	7.2	+1.4	46	3	27	50.0	-1.0	48.2	0.0
Down	Donaghadee ...	35	t	56	7th	35	7th	51.4	39.9	45.3	-3.6	4	0.41	10	-2										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	58	6th	35	12th	53.6	40.4	46.6	-4.6	4	0.36	9	-2	Trinity Coll. Phoenix Park	7.6	+1.5	49	1	30	51.4	-0.1	50.0	+0.8
King's County	Birr Castle	175	t	57	7th	31	7th	50.6	37.4	43.6	-6.0	4	0.44	11	-1	Dublin City ..	—	—	—	0	31	—	—	—	—
Kilkenny	Kilkenny	195	a	61	6th	—	—	54.6	—	—	—	5	0.47	12	0	Birr Castle ..	—	—	—	3	25	—	—	—	—
Waterford	Waterford	137	a	60	6th	35	12th	54.7	39.4	46.6	-4.0	6	0.22	5	-7										
	Seskin, Carrick-on-Suir	542	p	61	6th	32	12th	54.6	36.4	45.0	—	6	0.42	11	—	Seskin ..	8.5	—	55	0	31	—	—	—	—
Limerick	Foynes	50	a	62	6th	37	7, 12	54.1	41.4	47.4	-3.5	6	0.56	14	+2										
Kerry	Cahiriveen (Val.O.)	30	t	55	8th	37	7th	50.7	42.3	46.3	-4.7	4	0.74	19	+2	Cahiriveen (Valencia O.)	6.8	+0.7	44	0	31	—	—	—	—
	Killarney	174	a	60	8th	34	7th	54.4	39.3	46.4	-4.4	7	1.62	41	+25	Ballinacurra	7.3	+1.1	48	—	—	—	—	—	—
Cork	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—										
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	58	6th	42	12th	54.1	45.6	49.6	-1.7	3	0.52	13	+6	St. Mary's ..	7.9	+0.3	53	—	—	—	—	—	—
Guernsey	Grange	173	p	60	6, 7	40	12th	55.0	45.9	50.2	-2.6	7	2.73	69	+62	Grange ..	6.5	-1.8	43	0	36	56.5	+2.4	53.5	+2.1
Jersey	St. Heliers	25	t	64	7th	41	12th	56.7	46.9	51.5	-1.3	7	1.51	38	+31	St. Heliers ..	5.3	-2.8	35	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 12th, 1923.

DISTRICT, COUNTY & STATION.			Height.			Distribution of Wind. ††								Extreme Velocities.									
			Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
						Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.			ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	°	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.	
Shetlands	Lerwick	...	310	42	+	7	1	6 to 9, 11, 12	40	95	29	3	0	270	39	17	7	3	51	23	7	2	40
Orkneys	**Deerness (Cup Anr.)	...	188	16	5	—	0	6 to 11	42	67	52	7	0	80	37	17	10	21	—	—	—	—	—
1. SCOTLAND, E.																							
Aberdeen	Aberdeen	...	72	42	+	—	0	11, 12	10	81	60	17	0	10	30	14	11	10	45	20	11	10	15
Edinburgh	Edinburgh	...	485	39	31	10	1	9, 10, 11	8	122	34	3	0	210	41	18	10	16	69	31	10	16	10
6a. SCOTLAND, W.																							
Renfrew	Paisley	...	188	81	15	—	0	11	1	78	78	11	0	360	26	11	11	7	53	24	10	15	40
Dumfries	Eskdalemuir	...	825	50	22	—	0	9, 10, 11	7	100	35	26	0	210	35	15	10	16	49	22	10	16	0
2. ENGLAND, N.E.																							
Durham	South Shields...	...	72	61	12	—	0	—	0	89	75	4	0	30	25	11	10	1	39	17	10	1	35
York, E.R.	Spurn Head	...	67	41	+	—	0	10, 11, 12	28	67	59	14	0	290	31	14	11	20	49	22	11	11	50
Lincoln	Granwell	...	280	43	31	—	0	10	2	57	(79)	(30)	0	230	25	11	10	24	31	14	10	21	35
3. ENGLAND, E.																							
Norfolk	Gorleston	...	62	42	+	—	0	—	0	41	93	34	0	350	24	11	10	11	40	18	11	12	40
Essex	Shoeburyness...	...	103	90	+	—	0	11	2	62	63	9	32	230	32	14	11	3	42	19	11	2	45
5. ENGLAND, S.E.																							
Surrey	Richmond (Kew Obs.)...	...	82	65	22	—	0	—	0	17	122	29	0	200	18	8	11	1	49	22	11	14	40
Kent	Lympne	...	400	70	+	—	0	11	1	69	83	15	0	240	25	11	11	12	44	20	11	12	30
Surrey	Croydon	...	284	40	24	—	0	—	0	21	129	18	0	250	22	10	11	14	40	18	(11 12 25) (12 12 45)		
Hampshire	Petersfield (Stoner Hill)...	...	811	42	+	—	0	—	0	44	117	7	0	280	24	11	11	12	44	20	11	15	40
Sussex	Brighton	...	261	53	6	—	0	—	0	46	92	30	0	—	24	11	11	3	44	20	11	14	45
Hampshire	S. Farnboro' (Pye's Tr.)...	...	444	160	—	—	0	10, 11, 12	16	62	90	0	0	280	32	14	11	13	54	24	11	12	15
Wiltshire	Larkhill, S'y Plam	...	513	63	43	—	0	10, 11, 12	28	95	(45)	(0)	0	260	34	15	11	9	46	21	11	13	25
7a. ENGLAND, N.W.																							
Lancashire	Fleetwood (Cup Anr.)...	...	109	44	—	11	9	9 to 12	43	63	50	3	0	310	43	19	11	13	—	—	—	—	—
Lancashire	Southport	...	80	62	48	10, 11	12	9 to 12	39	66	50	1	0	270	43	19	11	2	59	26	11	1	50
7b. NORTH WALES.																							
Anglesey	Holyhead	...	64	45	+	11	10	9 to 12	38	55	50	15	0	300 310	41	18	11	7 10	58	26	11	6	30
8b. ENGLAND, S.W.																							
Devon	Plymouth	...	185	88	2	—	0	10	1	72	80	15	0	—	25	11	10	5	43	19	9	21	10
Cornwall	Pendennis Castle	...	256	65	24	—	0	—	0	78	66	11	13	280	24	11	11	1	36	16	11	4	55
10. IRELAND, S.																							
Dublin	Kingstown (Cup Anr.)...	...	49	27	—	10	1	9 to 12	38	72	54	3	0	240	39	17	10	18	—	—	—	—	—
Clare	Quilty	...	100	40	+	—	0	9, 10, 11,	36	77	47	8	0	—	32	14	10	18	46	21	11	12	30
Kerry	Cahirciveen (Val. Obs.)...	...	98	41	+	—	0	9, 10, 11	16	92	44	16	0	330	27	12	9	16	49	22	11	3	45
Cork	Weaver Pt.	...	160	30	+	—	—	9, 11	17	71	77	3	0	—	28	13	9	18	50	22	11	16	5
11a. SCILLY ISLES.																							
Seilly	St. Mary's	...	150	32	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
 ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** For Decress the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		NINETEENTH WEEK of 1923—May 6th to May 12th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		54	30	47.2	36.2	41.4	- 5.1	15	- 25	19	+ 12	7	+ 3	1.60	41	+ 24	5.7	+ 0.5	35	1005
Eastern.																				
1. SCOTLAND, EAST ..		60	25	49.1	35.8	42.1	- 5.0	18	- 26	17	+ 10	5	+ 1	0.97	25	+ 12	5.6	0.0	35	1004
2. ENGLAND, N.E. ..		67	32	54.1	39.4	46.3	- 2.0	37	- 10	7	+ 4	4	+ 1	0.51	13	+ 2	7.5	+ 1.5	48	1007
3. ENGLAND, EAST ..		73	32	57.1	44.0	50.2	+ 0.5	57	- 1	6	- 3	4	+ 1	0.32	8	- 2	6.8	+ 0.4	44	1009
4. MIDLAND COUNTIES		69	32	56.7	40.5	48.1	- 1.6	47	- 13	4	- 1	4	+ 1	0.33	8	- 2	7.4	+ 1.6	48	1009
5. ENGLAND, S.E. ..		71	31	57.6	44.4	50.6	- 0.5	60	- 5	0	- 2	5	+ 2	0.64	16	+ 7	6.2	- 0.5	41	1009
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		59	29	51.1	38.1	44.2	- 4.5	26	- 26	11	+ 8	6	+ 2	1.00	25	+ 9	—	—	—	1006
7. ENGLAND, N.W. (and North Wales)		63	31	51.8	40.1	45.6	- 3.7	31	- 22	5	+ 3	5	+ 1	0.69	17	+ 5	8.1	+ 2.1	52	1009
8. ENGLAND, S.W. (and South Wales)		65	32	55.7	43.0	49.0	- 1.5	49	- 12	0	- 1	5	+ 2	0.62	16	+ 4	7.8	+ 1.2	51	1011
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.1	+ 1.2	45	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		64	40	55.3	46.1	50.4	- 1.6	59	- 11	0	0	6	+ 3	1.59	40	+ 32	6.6	- 1.5	44	1013
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, March 4th to May 12th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	48.9	37.0	42.7	+ 0.6	201	- 4	154	- 46	35	- 11	5.90	150	- 61	5.1	+ 1.0	37	1013
Eastern.																				
1. SCOTLAND, EAST ..		68	20	48.7	36.0	42.1	- 0.2	195	- 50	189	- 30	35	- 6	4.21	108	- 20	3.9	- 0.6	29	1013
2. ENGLAND, N.E. ..		73	25	50.6	38.4	44.3	+ 0.7	272	+ 1	115	- 44	32	- 5	3.32	85	- 14	4.5	- 0.4	33	1014
3. ENGLAND, EAST ..		82	25	52.9	40.5	46.5	+ 1.9	383	+ 46	70	- 85	31	- 3	2.88	71	- 24	4.6	- 0.5	35	1014
4. MIDLAND COUNTIES		79	25	52.7	38.7	45.4	+ 0.9	346	- 4	109	- 64	36	+ 3	4.34	111	+ 7	3.6	- 1.0	27	1013
5. ENGLAND, S.E. ..		81	26	53.6	41.3	47.1	+ 1.4	411	+ 43	52	- 59	37	+ 4	4.62	118	+ 15	4.5	- 0.7	34	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		65	23	51.2	37.7	44.2	+ 0.3	277	- 1	125	- 19	32	- 9	5.99	151	- 33	—	—	—	1013
7. ENGLAND, N.W. (and North Wales)		73	25	51.6	39.5	45.3	+ 0.8	312	+ 18	80	- 42	32	- 5	4.36	110	- 23	4.8	+ 0.1	35	1013
8. ENGLAND, S.W. (and South Wales)		76	26	52.4	40.9	46.4	+ 0.7	362	+ 11	53	- 42	36	0	5.28	133	- 18	4.4	- 0.7	33	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.6	+ 0.1	34	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		78	35	54.2	44.6	49.2	+ 1.3	502	+ 60	0	- 26	41	+ 3	6.40	163	+ 41	5.3	- 0.7	40	1013
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
THE YEAR. Aggregates, &c., for the Period of 19 Weeks, December 31st, 1922, to May 12th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	47.0	37.1	41.9	+ 1.7	284	+ 25	292	- 214	86	- 6	18.55	471	- 15	3.2	+ 0.4	29	1008
Eastern.																				
1. SCOTLAND, EAST ..		68	20	46.4	36.1	41.1	+ 1.1	271	- 31	386	- 186	81	+ 4	11.23	288	+ 33	2.8	- 0.5	25	1009
2. ENGLAND, N.E. ..		73	25	48.1	37.7	42.8	+ 1.6	389	+ 48	280	- 167	69	- 2	8.24	212	+ 24	3.3	- 0.3	29	1011
3. ENGLAND, EAST ..		82	23	49.8	38.8	44.2	+ 2.5	522	+ 104	224	- 240	71	+ 2	7.49	188	+ 4	3.4	- 0.3	30	1013
4. MIDLAND COUNTIES		79	22	49.8	37.8	43.7	+ 2.1	488	+ 50	269	- 220	77	+ 9	11.54	294	+ 84	2.8	- 0.5	24	1012
5. ENGLAND, S.E. ..		81	22	50.8	39.6	45.1	+ 2.2	581	+ 109	175	- 181	77	+ 10	10.83	276	+ 59	3.4	- 0.4	30	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		65	20	48.7	37.6	43.1	+ 1.4	404	+ 49	261	- 125	83	0	17.10	433	+ 24	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		73	24	49.3	39.2	44.2	+ 2.0	464	+ 86	176	- 182	80	+ 6	11.66	296	+ 15	3.2	- 0.2	29	1011
8. ENGLAND, S.W. (and South Wales)		76	24	50.4	40.2	45.2	+ 1.7	558	+ 79	129	- 154	83	+ 9	16.66	423	+ 95	3.3	- 0.4	29	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.3	+ 0.1	29	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		78	32	52.3	43.9	48.0	+ 1.8	808	+ 155	3	- 97	90	+ 10	14.70	374	+ 102	3.9	- 0.5	34	1013
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
18th May, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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[Vol. XL. (New Series) }

TWENTIETH WEEK.

SUNDAY, MAY 13TH, TO SATURDAY, MAY 19TH, 1923.

Price 9d. Net. Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Islands as a whole the weather of the week was of a rather unsettled type. Showers of rain fell in most parts of the country and hail was reported at a large number of stations. Snow fell in several places and at Buxton on the 16th "snow lying" to a depth of one inch was recorded. The winds were mainly westerly or north-westerly in direction and moderate to strong in force. Temperature was decidedly low for the time of year. In some parts maximum temperature above 55°F. were registered but it was only at one or two stations that the temperature reached 60°F. There were a few screen minima of about 32°F. recorded in various parts of the Kingdom, the lowest being 29°F. at West Linton (Peebles) on the 18th. Ground frosts were registered in several places, the lowest reading, 23°F., occurring at Balmoral on the 14th. The mean temperature for the week was considerably below the normal in all districts. The total amount of precipitation (rain, hail or snow) was generally in excess of the normal. Individual amounts of 10mm. or more were recorded in places, but more especially in the northern parts of the country. Amongst the largest measurements

were 16mm. at Stonyhurst on the 13th, 20mm. at Eskdalemuir and 15mm. at Rothesay on the 14th, 24mm. at Deerness on the 15th, 16mm. at Achnashellach (Ross-shire) on the 16th and at Aberdeen on the 17th and 17mm. at Mallaig (Mayo) and 15mm. at Ford (Argyll) on the 19th. Sunshine records of between 12 and 13 hours were obtained in several parts of the country on various dates, but with the exception of a few places, notably in the south-western parts of England, where there was a slight excess, the total amount of sunshine for the week was below the normal. The departure of the mean duration from the normal for the week ranged from +1.1 hours at St Ann's Head to -3.5 at Deerness. Thunderstorms occurred on various dates during the week in many parts of the country. Solar halos were seen at South Farnborough, Hodsock Priory (Worksop), Tenbury (Worcester) and at Richmond (Kew Observatory) on the 14th, at Ross-on-Wye on the 14th and 16th, at Birmingham on the 14th and 18th and at Oxford on the 13th, 14th, 15th, 16th and 18th. A sun pillar was observed at Lincoln on the 17th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.						
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
				m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s		m.p.h m/s			
South	...	...	2	7	3.1	4	6	2.5	14	8	3.4	12	6	2.5	9	8	3.6	0	—	—	12	6	2.9	4	6	2.5					
North	...	...	26	15	6.7	17	9	4.0	8	6	2.6	11	3	1.3	15	15	6.6	20	10	4.3	12	7	3.3	24	11	4.8					
West	...	...	18	9	4.0	22	11	5.1	25	9	3.8	26	8	3.5	28	17	7.8	22	14	6.4	28	17	7.5	27	12	5.2					
East	...	...	8	6	2.7	1	3	1.4	0	—	—	0	—	—	0	—	—	1	1	0.5	0	—	—	1	1	0.4					
Calm (or wind- speed < 4 m.p.h.)			0	—	—	0	—	—	3	—	—	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—					
No record			...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	5	—	—	0	—	—	0	—	—				

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.		EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0.		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
	Scotland N.		Scotland E.	England N.E.	England E.	Midland Counties.	England S.E.	Scotland W. (and I. of Man).	England N.W. (and N. Wales)	England S.W. (and S. Wales).	Ireland N.	Ireland S.	Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth	..	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient	—	—	Very Deficient
	Rainfall	..	Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	—	—	Heavy
	Sunshine	..	Scanty	Scanty	Scanty	Moderate	Scanty	—	Scanty	Moderate	Scanty	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 11 weeks from March 4th, 1923.															
		3, 5, 3		1, 6, 4		2, 5, 4		3, 6, 2		3, 5, 3		3, 6, 2		2, 5, 4	
		4, 2, 5		4, 3, 4		2, 5, 4		3, 5, 3		2, 8, 1		3, 7, 1		4, 4, 3	
	Warmth	..	3, 5, 3	1, 6, 4	2, 5, 4	3, 6, 2	3, 5, 3	3, 6, 2	2, 5, 4	3, 4, 4	3, 5, 3	—	—	3, 5, 3	2, 3, 6
	Rainfall	..	4, 2, 5	4, 3, 4	2, 5, 4	3, 5, 3	2, 8, 1	3, 7, 1	4, 4, 3	4, 3, 4	2, 7, 2	—	—	4, 4, 3	—
	Sunshine	..	5, 4, 2	2, 5, 4	3, 4, 4	1, 7, 3	2, 2, 7	0, 8, 3	—	3, 5, 3	2, 3, 6	4, 4, 3	—	—	0, 6, 5

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

82 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	52	19th	36	18th	47.4	39.1	43.0	-1.2	7	1.28	32	+20	Lerwick	4.1	—	24	—	—	—	—	—
Orkneys	Deerness	160	p	50	19th	37	18th	46.7	38.9	42.6	-2.7	7	1.96	50	+38	Deerness	2.6	-3.5	15	—	—	—	—	—
Hebrides	Stornoway	51	t	52	19th	34	14, 16	47.3	37.4	42.1	-4.3	6	0.46	12	-3	Stornoway	4.1	-2.5	25	—	—	—	—	—
	Castledyke	37	t	49	19th	36	16, 17	47.0	40.4	43.5	—	7	0.69	17	—	Castledyke	4.8	—	29	—	—	—	—	—
Caithness	Wick	81	p	53	19th	33	15th	48.0	37.3	42.3	-3.7	5	1.11	28	+16									
Ross and Cromarty	Strathpeffer	125	t	51	19th	33	14th	48.8	37.0	42.6	-5.4	7	0.52	13	+2									
Inverness	Achnashellach	225	h	51	19th	32	16, 17	47.4	35.0	40.8	—	7	1.72	44	—	Achnashellach	—	—	3	27	—	—	—	—
	Inverness	242	h	51	19th	32	16, 17	47.4	35.0	40.8	—	7	1.72	44	—	Inverness	—	—	—	—	—	—	—	—
	Fort Augustus	68	h	56	19th	33	14, 17	50.0	35.9	42.5	-5.1	5	0.52	13	-1									
	Fort William	171	p	52	19th	34	16th	49.4	37.1	42.9	-6.0	6	0.92	23	0									
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	56	19th	—	—	49.3	—	—	—	—	—	—	—	Nairn	—	—	—	—	—	—	—	—
Elgin	Gordon Castle	101	p	54	19th	34	14th	48.9	36.9	42.5	-5.8	7	1.70	43	+30	Gordon Castle	3.3	—	20	—	—	—	—	—
Aberdeen	Aberdeen	46	t	56	19th	36	14th	48.7	38.1	43.1	—	7	1.63	41	+27	Aberdeen	3.5	-2.7	21	1	23	—	—	—
	Balmoral	930	a	54	19th	31	14th	44.7	33.0	38.5	-7.0	7	1.18	30	+16	Balmoral	—	—	—	5	28	—	—	45.6
Perth	Criff	478	p	54	19th	32	17th	50.0	35.6	42.4	-6.9	4	0.43	11	-4	(Kinc.) Crathes	4.0	-1.6	25	2	26	43.7	—	44.1
Forfar	Dundee	147	a	57	19th	35	14th	52.4	37.3	44.4	—	5	0.65	17	—	Dundee	3.8	—	23	2	30	40.6	—	—
Fife	Inchkeith	190	t	53	15th	37	18, 15, 18	50.4	38.1	43.9	—	4	0.20	5	—	Inchkeith	5.1	—	31	0	33	—	—	—
Midlothian	Edinburgh	441	p	54	19th	34	14, 17, 18	50.9	36.1	43.1	-4.8	5	0.32	8	-3	Edinburgh	3.8	-1.9	24	0	31	—	—	—
Peebles	West Linton	770	a	52	15th	29	18th	48.9	32.4	40.2	-5.7	7	0.84	21	—	West Linton	—	—	—	3	24	—	—	—
Berwick	Marchmont	498	a	53	19th	33	17th	49.3	35.4	41.9	-5.7	6	0.48	12	-3	Marchmont	4.2	-1.6	26	—	—	—	—	—
2a. SCOTLAND, W.																								
Argyle	Ford	149	a	59	19th	32	13th	49.1	36.7	42.5	—	6	1.63	41	—	Ford	—	—	—	1	27	46.9	—	46.6
Renfrew	Renfrew	49	t	56	13th	32	13th	51.0	35.7	42.9	—	5	0.66	17	—	Renfrew	4.6	—	28	3	25	—	—	—
Bute	Rothsay	200	p	53	13th	33	15th	48.9	36.4	42.3	-7.8	7	1.22	31	+14	Rothsay	3.2	—	20	0	31	46.3	—	47.0
Ayr	Kilmarnock	90	a	58	13th	32	17, 18	53.1	36.6	44.4	-5.1	5	0.42	11	-2	Kilmarnock	4.7	—	29	—	—	47.5	—	47.5
	Colmonell	170	a	55	13th	33	15th	51.0	38.6	44.4	-5.2	4	0.58	15	0	Colmonell	—	—	—	0	31	—	—	—
Dumfries	Dumfries	140	p	54	19th	34	15, 17, 18	50.4	36.0	42.8	-7.7	6	0.91	23	+8	Dumfries	4.7	—	29	4	27	47.3	-4.9	47.0
	Eskdalemuir	794	t	52	17th	30	18th	49.0	33.1	40.6	—	6	1.40	36	—	Eskdalemuir	3.6	—	22	5	25	—	—	-1.8
3. ISLE OF MAN.																								
I. of Man	Douglas	284	h	52	18, 19	36	17th	49.4	38.9	43.8	-6.1	6	0.93	24	+10	Douglas	5.6	-2.0	35	0	32	—	—	—
2. ENGLAND, N.E.																								
Northumberland	Cockle Park	324	p	54	19th	34	13th	50.1	35.9	42.6	-4.5	6	0.91	23	+9	Cockle Park	4.3	-1.6	26	2	30	44.1	-5.9	45.9
Durham	Tynemouth	118	t	59	19th	35	13th	50.6	37.7	43.8	-4.3	6	0.52	13	+2	Tynemouth	—	—	—	0	32	—	—	-1.2
York	Durham	336	p	53	19th	33	13th	49.4	35.3	41.9	-6.7	6	0.63	16	+5	Durham	3.3	-2.1	21	6	24	—	—	—
	Rounton	249	p	55	19th	33	13, 17	50.1	36.4	42.8	-5.5	7	0.51	13	+2	Rounton	—	—	—	4	26	47.4	—	—
N. Riding	West Witton	605	a	52	19th	35	13th	49.9	37.3	43.2	—	4	0.51	13	—	West Witton	—	—	—	0	31	44.6	—	45.3
	Scarborough	118	h	58	19th	35	13, 17	52.0	38.9	45.1	-4.1	5	0.52	13	+2	Scarborough	4.5	-1.8	28	—	—	—	—	49.3
	York	56	p	56	15th	35	13, 16	51.3	38.6	44.6	-6.4	6	0.84	21	+10	York	3.3	-2.2	21	—	—	48.3	-3.3	48.3
E. Riding	Spurn Head	26	t	53	15, 19	37	13, 17	50.3	39.9	44.8	-4.9	6	0.33	8	-1	Spurn Head	3.5	—	22	—	—	—	—	—
Lincoln	Lincoln	58	a	54	17, 19	33	17th	52.0	37.9	44.5	-7.2	5	0.49	12	+1	Lincoln	—	—	—	0	31	47.3	-5.9	49.3
	Cranwell	237	t	53	15, 17, 19	34	13, 17	51.3	37.4	43.9	-7.3	4	0.35	9	-2	Cranwell	4.6	-2.0	29	0	31	—	—	+0.7
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	4.1	-2.7	26	—	—	—	—	—
Norfolk	Cromer	196	a	57	15th	35	13, 17	53.3	38.1	45.2	-5.3	6	0.26	7	-1	Cromer	4.9	-1.7	31	—	—	—	—	—
	Yarmouth	13	t	56	14th	32	16th	53.9	37.6	45.3	-4.9	3	0.30	8	-2	Yarmouth	7.1	—	45	1	30	51.3	-3.9	51.4
	Norwich	93	a	57	15th	35	17th	54.6	38.4	46.0	-5.8	6	0.29	7	-4	Norwich	6.1	—	39	0	31	51.3	—	-0.2
	Geldeston	37	a	57	14th	36	13, 17	54.4	38.4	45.9	-5.1	6	0.30	8	-2	Geldeston	5.6	-1.3	36	—	—	—	—	—
Cambridge	Cambridge	41	p	57	19th	36	13, 17	54.6	37.3	45.4	-6.8	2	0.20	5	-5	Cambridge	5.8	-0.7	37	0	31	50.5	-4.1	51.0
Hertford	Rothamsted	420	a	54	19th	34	16th	51.6	37.1	43.9	-7.3	3	0.28	7	-4	Rothamsted	6.3	-0.1	40	4	29	48.1	—	+0.1
Middlesex	Tottenham	51	p	57	14th	39	16, 17	54.1	41.7	47.5	—	3	0.31	8	—	Tottenham	6.0	—	38	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	56	14th	38	18th	53.7	40.4	46.7	-4.4	1	0.08	2	-6	Clacton-on-Sea	5.1	-2.4	33	0	34	50.1	-3.9	51.2
	Southend	90	h	58	19th	36	17th	55.0	39.7	46.9	—	2	0.17	4	—	Southend	5.8	—	37	0	36	50.3	—	—
4. MIDLAND COUNTIES.																								
York	Harrogate	479	h	52	17th	33	13th	48.6	36.4	42.1	-7.0	4	0.93	24	+10	Harrogate	4.2	-1.6	27	2	29	46.0	-3.7	47.3
W. Riding	Sheffield	429	p	52	14, 15, 19	35	13, 17	50.1	38.0	43.7	—	5	0.45	11	-3	Sheffield	4.8	-0.8	30	2	30	47.3	-3.7	47.5
Derby	Buxton	987	p	49	19th	32	17, 18	46.7	35.0	40.5	-7.7	6	1.47	37	+18	Buxton	4.2	—	26	0	33	45.1	-5.6	46.6
Nottingham	Worksop (HodsckP)	56	a	57	17, 19	33	17th	54.4	38.3	45.9	-5.2	5	0.40	10	-2	Worksop	3.4	-2.1	21	4	26	48.4	—	49.1
	Nottingham	82	t	54	18th	34	13th	51.7	38.4	44.7	-6.8	4	0.25	6	-5	Nottingham	3.3	-2.7	21	2	26	47.3	-6.1	48.4
Warwick	Birmingham (Edg.)	525	t	53	19th	34	13th	50.3	37.9	43.7	-7.8	4	0.31	8										

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.	Earth 1 ft.		Earth 4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
8a. SOUTH WALES.		Ft.		*F.	*F.			*F.	*F.	*F.	*F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, May 19th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands	310	42	+	—	0	17	13	84	68	3	0	50	32	14	17	3	43	19	17	16	15		
Orkneys	188	16	5	—	0	12, 13, 16, 17	40	76	50	2	0	320	37	16	16	24	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen	72	42	†	—	0	17	7	69	75	17	0	300	30	13	17	8	53	24	17	7	50		
Edinburgh	485	39	31	—	0	—	0	100	61	7	0	320	24	11	17	14	36	16	17	14	5		
2. SCOTLAND, W.																							
Renfrew	188	81	15	—	0	17	1	52	108	7	0	310	25	11	17	15	40	18	17	14	45		
Dumfries	825	50	22	—	0	17	6	77	63	22	0	290	32	14	17	10	45	20	14	17	5		
3. ENGLAND, N.E.																							
Durham	72	61	12	—	—	—	—	34	110	13	11	290	19	9	19	10	37	17	17	?	?		
York, E.R.	67	41	†	—	0	13, 16, 17	14	126	26	2	0	260	31	14	13	17	50	22	13	15	45		
Lincoln	280	43	31	—	0	—	0	106	(53)	(9)	0	290	24	11	17	16	35	16	13	17	20		
4. ENGLAND, E.																							
Norfolk	52	42	†	—	0	15	2	38	115	13	0	210	26	12	15	14	45	20	15	20	25		
Essex	103	90	†	—	0	15, 16	11	86	64	2	5	230	30	13	15	11	50	22	15	15	40		
5. ENGLAND, S.E.																							
Surrey	82	65	22	—	0	—	0	19	133	16	0	210	20	9	15	10	48	21	16	13	35		
Kent	409	70	†	—	0	15, 16	7	84	77	0	0	210	32	14	15	13	50	22	15	12	15		
Surrey	284	40	24	—	0	—	0	38	113	11	6	200	22	10	15	13	48	21	16	11	35		
Hampshire	811	42	†	—	0	—	0	60	97	11	0	270	20	9	16	17	39	17	16	17	15		
Sussex	261	53	6	—	0	—	0	72	70	12	14	—	23	10	15	11	44	20	16	12	15		
Hampshire	444	160	—	—	0	13, 15, 16	11	102	55	0	0	270	28	13	13 17	15 13	51	23	16	12	5		
Wiltshire	513	63	43	—	0	13, 15, 16, 17	22	121	(25)	(0)	0	270	31	14	13	17	53	24	16	13	45		
7a. ENGLAND, N.W.																							
Lancashire	109	44	—	—	0	13, 14, 16, 17, 19	62	73	32	1	0	280	38	17	17	16	—	—	—	—	—		
Lancashire	80	62	48	13	1	13, 14, 16, 17, 19	84	73	10	0	0	270	39	17	13	14	60	27	16	16	45		
7b. NORTH WALES.																							
Anglesey	64	45	†	—	0	13 to 17	54	101	13	0	0	260	34	15	13 14	16 7	50	22	13	13	30		
8b. ENGLAND, S.W.																							
Devon	185	88	2	—	0	15	2	68	86	12	0	—	25	11	15	4	40	18	15	4	15		
Cornwall	256	65	24	—	0	14, 15	2	52	94	15	5	230	28	13	15	4	41	18	15	4	0		
10. IRELAND, S.																							
Dublin	49	27	—	—	0	13, 16	15	126	27	0	0	260	34	15	13	12	—	—	—	—	—		
Clare	100	40	†	—	—	13 to 16	14	130	12	12	0	—	27	12	14	14	39	18	14	12	5		
Kerry	98	41	†	—	0	14	3	118	46	1	0	260	25	11	14	13	47	21	14	11	30		
Cork	160	30	†	—	—	16	1	86	67	14	0	—	25	11	16	12	42	19	16	11	45		
11a. SCILLY ISLES.																							
Scilly	150	32	†	—	0	13 to 17	36	110	22	0	0	280	29	13	15	5	51	23	14	21	10		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		TWENTIETH WEEK of 1923—May 13th to May 19th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
0. SCOTLAND, NORTH ..		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
Eastern.		56	32	48.3	37.0	42.3	- 5.1	16	- 27	14	+ 9	6	+ 2	0.93	24	+ 8	3.3	- 2.4	20	1003
1. SCOTLAND, EAST ..		56	29	48.8	35.9	41.9	- 6.1	19	- 29	19	+ 13	6	+ 2	0.89	22	+ 9	3.7	- 2.2	22	1003
2. ENGLAND, N.E. ..		59	33	50.8	37.6	43.8	- 5.5	25	- 29	12	+ 10	6	+ 3	0.57	14	+ 3	4.0	- 2.1	25	1006
3. ENGLAND, EAST ..		57	32	53.8	38.6	45.7	- 5.6	35	- 32	10	+ 8	4	+ 1	0.25	6	+ 5	5.8	- 0.8	37	1008
4. MIDLAND COUNTIES		59	32	52.2	38.1	44.8	- 6.4	31	- 36	11	+ 8	4	+ 1	0.48	12	+ 1	4.9	- 1.1	31	1008
5. ENGLAND, S.E. ..		59	32	53.6	39.3	46.0	- 6.7	36	- 40	8	+ 7	4	+ 1	0.48	12	+ 1	6.1	- 1.0	39	1010
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		59	32	50.4	37.0	43.3	- 6.6	23	- 36	14	+ 11	6	+ 2	0.91	23	+ 6	—	—	—	1005
7. ENGLAND, N.W. (and North Wales)		55	33	49.7	38.9	44.0	- 6.7	23	- 39	9	+ 8	6	+ 3	0.93	24	+ 11	4.8	- 1.8	30	1008
8. ENGLAND, S.W. (and South Wales)		60	36	52.9	41.0	46.5	- 5.4	34	- 36	3	+ 2	5	+ 2	0.55	14	+ 2	7.4	+ 0.5	48	1011
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.7	- 1.4	30	1007
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		57	34	54.2	44.0	48.8	- 4.5	48	- 31	0	0	6	+ 3	0.75	19	+ 9	6.8	- 0.9	44	1013
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, March 4th to May 19th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	48.9	37.0	42.7	+ 0.2	217	- 31	168	- 37	41	- 9	6.83	174	- 53	4.5	+ 0.2	35	1012
Eastern.																				
1. SCOTLAND, EAST ..		68	20	48.7	36.0	42.1	- 0.7	214	- 79	208	- 17	41	- 4	5.10	130	- 11	3.9	- 0.7	28	1012
2. ENGLAND, N.E. ..		73	25	50.6	38.3	44.2	0.0	297	- 28	127	- 34	38	- 2	3.89	99	- 11	4.4	- 0.6	33	1013
3. ENGLAND, EAST ..		82	25	53.0	40.3	46.4	+ 1.2	418	+ 14	80	- 77	35	- 2	3.13	77	- 29	4.8	- 0.5	35	1013
4. MIDLAND COUNTIES		79	25	52.6	38.6	45.3	+ 0.2	377	- 40	120	- 56	40	+ 4	4.82	123	+ 6	3.8	- 0.9	28	1013
5. ENGLAND, S.E. ..		81	26	53.6	41.1	47.0	+ 0.6	447	+ 3	60	- 52	41	+ 5	5.10	130	+ 16	4.6	- 0.8	34	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		65	23	51.1	37.6	44.1	- 0.3	300	- 37	139	- 8	38	- 7	6.90	174	- 27	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		73	25	51.4	39.4	45.2	+ 0.2	335	- 21	89	- 34	38	- 2	5.29	134	- 12	4.8	- 0.1	35	1012
8. ENGLAND, S.W. (and South Wales)		76	26	52.4	41.0	46.4	+ 0.2	396	- 25	56	- 40	41	+ 2	5.83	147	- 16	4.7	- 0.6	35	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.6	0.0	33	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		78	34	54.2	44.5	49.1	+ 0.7	550	+ 29	0	- 26	47	+ 6	7.15	182	+ 50	5.4	- 0.8	40	1013
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

THE YEAR. Aggregates, &c., for the Period of 20 Weeks, December 31st, 1922, to May 19th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	47.0	37.1	42.0	+ 1.5	300	- 2	306	- 205	92	- 4	19.48	495	- 7	3.2	+ 0.2	28	1008
Eastern.																				
1. SCOTLAND, EAST ..		68	20	46.5	36.1	41.2	+ 0.8	290	- 60	405	- 173	87	+ 6	12.12	310	+ 42	2.8	- 0.6	24	1009
2. ENGLAND, N.E. ..		73	25	48.2	37.7	42.9	+ 1.3	414	+ 19	292	- 157	75	+ 1	8.81	226	+ 27	3.3	- 0.4	29	1011
3. ENGLAND, EAST ..		82	23	50.0	38.8	44.3	+ 2.2	557	+ 72	234	- 232	75	+ 3	7.74	194	- 1	3.6	- 0.3	31	1012
4. MIDLAND COUNTIES		79	22	49.9	37.8	43.7	+ 1.6	519	+ 14	280	- 212	81	+ 10	12.02	306	+ 83	2.9	- 0.6	25	1012
5. ENGLAND, S.E. ..		81	22	50.9	39.5	45.1	+ 1.7	617	+ 69	183	- 174	81	+ 11	11.31	288	+ 60	3.6	- 0.4	31	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		65	20	48.8	37.6	43.1	+ 1.0	427	+ 13	275	- 114	89	+ 2	18.01	456	+ 30	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		73	24	49.3	39.2	44.1	+ 1.5	487	+ 47	185	- 174	86	+ 9	12.59	320	+ 26	3.3	- 0.2	29	1011
8. ENGLAND, S.W. (and South Wales)		76	24	50.5	40.3	45.3	+ 1.4	592	+ 43	132	- 152	88	+ 11	17.21	437	+ 97	3.5	- 0.4	30	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	0.0	29	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		78	32	52.4	43.9	48.1	+ 1.6	856	+ 124	3	- 97	96	+ 13	15.45	393	+ 111	4.0	- 0.6	35	1013
MEAN: DISTRICTS 1-10 ..																				
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
25th May, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

85

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE, at the following addresses:—
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Vol. XL. (New Series) }

TWENTY-FIRST WEEK.

SUNDAY, MAY 20TH, TO SATURDAY, MAY 26TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Islands as a whole, there was a continuance of the unsettled conditions which have prevailed for several weeks past. There were bright intervals, but rain fell on several days and at a number of places hail was reported. The mean temperature of the week was again decidedly low for the time of year, being below the normal in all districts, the greatest deficit, 5·3°F. occurring in Scotland E. Maximum temperatures above 60°F. were registered in places, generally during the first half of the week, and at one or two stations readings round about 65°F. were recorded. In some places screen minima below 32°F. were obtained while ground frosts occurred in most parts of the country. At several stations the readings of the grass minimum thermometer were below 25°F., the lowest reading 20°F. occurring at Aberdeen on the 23rd. The total amount of precipitation (rain or hail) for the week was above the normal in some of the northern districts but in most other parts of the country it was below the normal. Amongst the

largest amounts recorded were 26mm. at Cheadle (Staffs.), 24mm. at Sheffield, 23mm. at Harrogate, 21mm. at Bradford and Buxton on the 22nd, 20mm. at Achnashellach (Ross-shire) on the 24th, 27mm. at Aberdeen and Crathes (Kincardine) on the 25th and 29mm. at Balmoral on the 26th. Sunshine records of between 13 and 14 hours were obtained at several places on various days during the week, amongst the largest amounts being 14·2 hours at Inchkeith (Fife) on the 21st and Castlebay on the 22nd and 14·0 hours at Ilfracombe and 14·1 hours at Scilly on the 24th. The total amount of sunshine for the week was below the normal in all parts of the country. Thunder was heard in several places, generally during the latter half of the week. Solar halos were observed at Aberdeen on the 23rd and at Oxford on the 22nd and 24th. Lunar halos were seen at Gorleston on the 25th and at Oxford on the 25th and 26th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.					EDINBURGH. Blackford Hill.					ENGLAND, E. Gorleston.					LONDON. Richmond.					NORTH WALES. Holyhead.					ENGLAND, S.W. Scilly.					DUBLIN. Kingstown.					IRELAND, S.W. Cahiriveen.				
	Fre- quency.			Mean Value.		Fre- quency.			Mean Value.		Fre- quency.			Mean Value.		Fre- quency.			Mean Value.		Fre- quency.			Mean Value.		Fre- quency.			Mean Value.		Fre- quency.			Mean Value.						
	m.p.h m/s			m.p.h m/s		m.p.h m/s			m.p.h m/s		m.p.h m/s			m.p.h m/s			m.p.h m/s			m.p.h m/s			m.p.h m/s			m.p.h m/s			m.p.h m/s			m.p.h m/s								
South	5	8	3·6	5	6	2·8	12	9	3·8	9	4	1·9	9	7	3·3	2	6	2·5	10	6	2·7	4	8	3·6																
North	20	14	6·1	13	9	3·8	8	7	3·0	15	4	1·7	15	16	7·2	16	13	5·7	16	13	5·9	23	13	5·9																
West	21	12	5·5	17	14	6·1	13	7	3·0	19	8	3·4	22	10	4·6	10	14	6·4	22	12	5·5	19	11	4·7																
East	2	4	1·6	4	6	2·9	6	3	1·5	6	4	1·8	1	11	5·1	3	7	3·2	5	6	2·5	5	3	1·5																
Calm (or wind- speed < 4 m.p.h.)	2	—	—	4	—	—	7	—	—	1	—	—	3	—	—	0	—	—	1	—	—	0	—	—																
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	9	—	—	0	—	—	0	—	—																

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (<i>and I. of Man</i>).	7. England, N.W. (<i>and N. Wales</i>).	8. England, S.W. (<i>and S. Wales</i>).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (<i>and Scilly</i>).	
Comparison with the normal for the time of year	Warmth	..	Very Deficient	Very Deficient	Deficient	Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Deficient	—	—	Deficient
	Rainfall	..	Heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	—	—	Moderate
	Sunshine	..	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	—	Scanty	Scanty	—	—	Very Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 12 weeks from March 4th, 1923.	Warmth	..	3, 5, 4	1, 6, 5	2, 5, 5	3, 6, 3	3, 5, 4	3, 6, 3	2, 5, 5	3, 4, 5	3, 5, 4	—	—	3, 5, 4
	Rainfall	..	5, 2, 5	5, 3, 4	3, 5, 4	3, 6, 3	2, 9, 1	3, 8, 1	4, 5, 3	5, 3, 4	2, 8, 2	—	—	6, 5, 1
	Sunshine	..	5, 4, 3	2, 5, 5	3, 4, 5	1, 7, 4	2, 2, 8	0, 8, 4	—	3, 5, 4	2, 3, 7	4, 4, 4	—	0, 6, 6

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE AND RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week				Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean			In.	mm.	mm.						Ground Frost.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.	*F.	*F.	*F.		in.	mm.	mm.		Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.		
Cardigan	Aberystwyth ...	16	h	55	21st	35	24th	52.9	44.9	48.7	—	6	0.46	12	—	Aberystwyth	5.5	- 0.9	34	—	—	—	—	—		
Pembroke	St. Ann's Hd. ...	149	t	54	25th	41	24, 26	52.4	45.4	48.7	- 3.1	4	0.26	7	—	St. Ann's Hd.	5.3	- 1.7	34	—	—	—	—	—		
Radnor	Rhayader ...	757	a	55	22nd	29	24th	52.0	42.1	46.8	—	7	0.70	20	—	Rhayader ..	4.9	—	30	1	27	—	—	—		
Glamorgan	Cardiff ...	202	p	57	21-24	39	24th	56.4	43.9	49.8	- 3.5	6	0.74	19	+ 5	Cardiff ..	5.0	—	32	1	30	52.5	- .3	50.4	- 1.0	
8b. ENGLAND, S.W.																										
Somerset	Bath ...	66	h	60	22nd	33	24th	58.1	44.4	50.8	- 3.0	6	0.33	8	- 3	Bath ...	4.7	- 2.1	30	—	—	53.8	—	52.2	—	
Dorset	Shaftesbury ...	722	a	57	22-24	35	24th	55.9	41.1	48.1	- 4.2	4	0.74	19	+ 7	Shaftesbury ..	—	—	—	—	—	52.3	—	50.1	—	
	Portland Bill ...	19	t	—	—	—	—	—	—	—	—	—	—	—	—	Weymouth ...	5.6	—	36	—	—	—	—	—	—	
Devon	Arlington ...	613	a	57	22nd	36	24th	54.7	44.1	49.1	- 2.7	7	0.79	20	+ 3											
	Cullompton ...	202	a	63	22, 23	36	24th	60.1	43.4	51.3	- 2.4	5	0.31	8	- 4	Cullompton ..	4.6	- 1.8	29	1	29	54.6	—	—	—	
	Plymouth ...	116	p	61	23rd	40	24th	57.0	45.7	51.0	- 3.3	4	0.71	18	+ 6	Plymouth ..	4.3	- 2.7	27	0	36	54.5	- 3.2	51.8	—	
Cornwall	Newquay ...	190	h	58	23rd	43	26th	53.9	47.6	50.6	- 2.5	4	0.39	10	0	Newquay ..	5.3	- 1.9	33	—	—	53.2	—	51.2	—	
	Falmouth ...	167	h	60	21, 22	42	24, 25	56.7	46.4	51.2	- 2.2	5	0.35	9	- 4	Falmouth ..	5.8	- 1.6	37	0	37	55.7	—	54.4	—	
9. IRELAND, N.																										
Donegal	Malin Head ...	71	t	52	20, 21	39	23rd	49.3	43.3	46.1	- 4.5	6	0.26	7	- 3	Malin Head ..	5.4	—	32	—	—	—	—	—	—	
Mayo	Blackrod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—											
	Mallaryny ...	120	a	56	20th	38	24th	53.6	43.4	48.2	—	4	0.43	11	—	Mallaryny ..	4.6	—	28	1	29	—	—	—	—	
Sligo	Markree Castle ...	122	p	55	20, 21	34	24th	53.1	41.1	46.7	- 4.4	7	0.57	14	0	Markree Castle	4.1	- 2.0	25	2	28	51.7	- 3.9	49.0	- 1.2	
Armagh	Armagh ...	204	p	57	21st	34	24th	53.7	40.4	46.7	- 4.8	6	0.53	13	+ 1	Armagh ..	4.2	- 1.9	25	2	26	49.6	- 5.0	48.3	- 2.2	
Down	Donaghadee ...	35	t	57	20th	38	24th	51.9	43.1	47.2	- 3.9	5	0.38	10	- 1											
10. IRELAND, S.																										
Dublin	Dublin City ...	54	p	58	20th	36	24th	54.6	43.9	48.9	- 4.7	5	0.71	18	+ 7	Trinity Coll.	—	—	—	0	32	51.2	- 3.9	49.7	- 1.8	
King's County	Birr Castle ...	175	t	55	20, 21	32	24th	51.9	42.1	46.7	- 5.4	4	0.17	4	- 8	Phoenix Park	4.3	- 2.4	27	1	27	—	—	—	—	
Kilkenny	Kilkenny ...	195	a	59	21st	34	24th	55.6	42.0	48.9	- 3.6	3	0.33	8	- 4	Dublin City ..	—	—	—	0	32	—	—	—	—	
Waterford	Waterford ...	137	a	60	21st	37	24th	57.1	42.6	49.4	- 3.5	4	0.55	14	+ 2	Birr Castle ..	—	—	—	0	34	—	—	—	—	
	Seskin, Carrick-on-Suir	542	p	61	21st	35	24th	55.9	41.4	48.2	—	5	0.28	7	—	Seskin ..	4.0	—	25	0	32	—	—	—	—	
Limerick	Foynes ...	50	a	58	21st	39	24th	54.7	44.6	49.4	- 3.8	6	0.39	10	- 3											
Kerry	Cahiriveen (Val.O.)	30	t	—	—	—	—	—	—	—	—	—	—	—	—	Cahiriveen	—	—	—	—	—	—	—	—	—	
	Killarney ...	174	a	61	21st	35	24th	56.6	43.9	49.9	- 3.2	6	0.42	11	- 5	(Valencia O.)	—	—	—	—	—	—	—	—	—	
Cork	Roche's Point ...	32	t	61	22nd	38	24th	57.1	45.6	51.0	- 1.9	2	0.04	1	- 12	Ballinacurra	4.7	- 2.1	29	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's ...	131	t	57	21-23	44	26th	54.9	47.0	50.7	- 2.7	6	0.34	9	- 1	St. Mary's ..	5.7	- 1.7	36	—	—	—	—	—	—	
Guernsey	St. Gange ...	173	p	59	21, 22	44	25th	56.3	47.6	51.7	- 3.1	6	0.37	9	- 2	Grange ..	4.1	- 3.9	26	0	39	55.0	- 3.3	53.5	- 0.6	
Jersey	St. Aubius ...	25	t	58	21st	46	20th	55.4	48.1	51.5	- 3.5	6	0.37	9	- 3	St. Heliers ..	2.7	- 5.1	17	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS OF WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, May 26th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		o	m.p.h.	m/s.	d	hr.	m.p.h.	m/s.	d	h	m.	
Shetlands Lerwick ...	310	42	+	25	1	21 to 26	60	83	18	6	0		20	39	17	25	11	51	23	25	10	20	
Orkneys ••Deerness (Cup Anr.)	18	16	5		0	21, 24, 25	34	79	48	7	0		360	35	16	25	12	—	—	—	—	—	
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	+	—	0	25	1	79	77	11	0		320	25	11	25	17	47	21	25	17	5	
Edinburgh Edinburgh ...	485	39	31	—	0	24	4	96	48	20	0		260	27	12	24	16	42	19	24	16	0	
2a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	82	(79)	(7)	0		360	23	10	25	17	44	20	24	23	15	
Dumfries Eskdalemuir ...	825	50	22	—	0	21	1	97	45	25	0		270	27	12	21	3	45	20	21	3	15	
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	21	2	75	74	17	0		200	25	11	21	7	44	20	21	6	35	
York, E.R. Spurn Head ...	67	41	+	—	0	—	0	99	63	6	0		270	23	10	21	6	36	16	25	9	45	
Lincoln Cranwell ...	280	43	31	—	0	—	0	58	(77)	(33)	0		210	19	9	20	21	26	12	25	10	5	
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	+	—	0	—	0	38	89	41	0		360	20	9	23	14	28	13	23	7	50	
Essex Shoeburyness...	103	90	+	—	0	—	0	45	113	6	4		230	21	9	20	21	32	14	23	12	0	
5. ENGLAND, S.E.																							
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	6	144	18	0		210	14	6	20	14	27	12	20	14	20	
Kent Lympne ...	409	70	+	—	0	—	0	76	86	6	0		240	23	10	20	13	34	15	20	23	25	
Surrey Croydon ...	284	40	24	—	0	—	0	21	126	21	0		210	16	7	20	15	27	12	20	15	0	
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	21	137	6	4		?	?	?	?	?	27	12	20	?	?	
Sussex Brighton ...	261	53	6	—	0	—	0	59	95	14	0		—	17	8	20	24	27	12	20	23	15	
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	96	68	4	0		210	21	9	20	16	36	16	25	15	25	
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	140	(28)	(0)	0		300	24	11	25	12	33	15	25	12	10	
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	21, 25	20	74	42	7	25		280	34	15	25	9	—	—	—	—	—	
Lancashire Southport ...	80	62	48	—	0	21, 24, 25, 26	33	87	(43)	(5)	0		250	34	15	24	24	48	21	25	5	55	
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	+	—	0	25, 26	30	100	28	10	0		320	31	14	25	18	42	19	25	17	50	
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	—		Instrument under repair.																	
Cornwall Pendeen's Castles ...	256	65	24	—	0	—	0	74	84	3	7		230	23	10	20	15	30	13	20	15	10	
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	24, 25, 26	20	105	35	8	0		350	29	13	26	9	—	—	—	—	—	
Clare Quilty ...	100	40	+	—	0	25	5	126	34	3	0		—	27	12	25	3	37	16	25	8	55	
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	25, 26	12	92	59	5	0		350	29	13	25	18	43	19	25	18	15	
Cork Weaver Pt. ...	160	30	+	—	0	25	1	94	72	1	0		—	25	11	25	15	38	17	25	17	55	
11g. SCILLY ISLES.																							
Scilly St. Mary's ...	150	32	+	—	0	25, 26	20	140	4	0	4		330	30	13	25	14	43	19	25	12	0	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIRST WEEK of 1923—May 20th to May 26th, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
0. SCOTLAND, NORTH ..		57	33	50.0	39.3	44.3	— 4.6	day-deg. F. 24	day-deg. F. — 25	day-deg. F. 8	day-deg. F. + 5	6	+ 2	inches. 1.13	mm. 29	mm. +16	hr. 4.0	hr. — 1.4	% 23	mb. 1010
Eastern.																				
1. SCOTLAND, EAST ..		59	28	51.1	38.7	44.5	— 5.3	27	— 29	9	+ 5	6	+ 2	0.94	24	+12	4.2	— 1.7	25	1010
2. ENGLAND, N.E. ..		61	29	53.8	41.3	47.2	— 3.5	38	— 24	2	+ 1	4	+ 1	0.59	15	+ 3	5.1	— 1.1	31	1012
3. ENGLAND, EAST ..		64	29	57.3	42.8	49.6	— 3.3	53	— 24	0	— 1	4	+ 1	0.25	6	— 5	3.9	— 2.9	21	1013
4. MIDLAND COUNTIES ..		64	27	56.3	42.0	48.7	— 3.8	47	— 28	0	— 2	5	+ 2	0.57	14	+ 1	3.9	— 1.9	24	1013
5. ENGLAND, S.E. ..		64	34	58.1	44.0	50.6	— 3.3	60	— 24	0	0	3	0	0.32	8	— 3	4.6	— 2.4	29	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		59	29	53.1	40.4	46.4	— 4.9	35	— 30	4	+ 3	5	+ 2	0.40	10	— 4	—	—	—	1012
7. ENGLAND, N.W. (and North Wales) ..		58	32	53.0	42.8	47.5	— 4.5	38	— 33	0	— 1	5	+ 2	0.83	21	+10	5.1	— 1.3	31	1013
8. ENGLAND, S.W. (and South Wales) ..		63	29	55.8	44.2	49.7	— 3.3	54	— 23	0	0	5	+ 2	0.52	13	0	5.1	— 1.5	32	1015
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.1	— 2.0	25	1014
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		59	44	55.5	47.6	51.3	— 2.9	65	— 20	0	0	6	+ 3	0.36	9	— 2	4.2	— 3.6	27	1017
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, March 4th to May 26th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	49.0	37.2	42.8	— 0.3	241	— 56	176	— 32	47	— 7	7.96	203	— 37	4.9	+ 0.5	34	1012
Eastern.																				
1. SCOTLAND, EAST ..		68	20	48.9	36.2	42.3	— 1.1	241	—108	217	— 12	47	— 2	6.04	154	+ 1	3.9	— 0.8	28	1012
2. ENGLAND, N.E. ..		73	25	50.9	38.6	44.5	— 0.2	335	— 52	129	— 33	42	— 1	4.48	114	— 8	4.5	— 0.6	33	1013
3. ENGLAND, EAST ..		82	25	53.4	40.5	46.7	+ 0.8	471	— 10	80	— 78	39	— 1	3.38	83	— 34	4.7	— 0.7	34	1013
4. MIDLAND COUNTIES ..		79	25	52.9	38.9	45.6	— 0.1	424	— 68	120	— 58	45	+ 6	5.39	137	+ 7	3.8	— 1.0	27	1013
5. ENGLAND, S.E. ..		81	26	54.0	41.3	47.3	+ 0.3	507	— 21	60	— 52	44	+ 5	5.42	138	+13	4.6	— 0.9	34	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		65	23	51.3	37.8	44.3	— 0.7	335	— 67	143	— 5	43	— 5	7.30	184	— 31	—	—	—	1012
7. ENGLAND, N.W. (and North Wales) ..		73	25	51.6	39.7	45.4	— 0.2	373	— 54	89	— 35	43	0	6.12	155	— 2	4.8	— 0.2	34	1012
8. ENGLAND, S.W. (and South Wales) ..		76	26	52.7	41.2	46.7	— 0.1	449	— 49	57	— 39	46	+ 4	6.35	160	— 16	4.7	— 0.7	34	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.6	— 0.1	33	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		78	34	54.3	44.8	49.3	+ 0.4	615	+ 9	0	— 26	53	+ 9	7.51	191	+48	5.3	— 1.0	39	1013
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

THE YEAR. Aggregates, &c., for the Period of 21 Weeks, December 31st, 1922, to May 26th, 1923.																				
0. SCOTLAND, NORTH ..		62	24	47.2	37.2	42.1	+ 1.2	324	— 27	314	—200	98	— 2	20.61	524	+ 9	3.2	+ 0.1	27	1008
Eastern.																				
1. SCOTLAND, EAST ..		68	20	46.8	36.2	41.3	+ 0.5	317	— 89	414	—168	93	+ 8	13.06	334	+54	2.9	— 0.7	25	1009
2. ENGLAND, N.E. ..		73	25	48.5	37.9	43.1	+ 1.0	452	— 5	294	—156	79	+ 2	9.40	241	+30	3.4	— 0.4	29	1011
3. ENGLAND, EAST ..		82	23	50.4	39.0	44.5	+ 1.8	610	+ 48	234	—233	79	+ 4	7.99	200	— 6	3.6	— 0.4	30	1012
4. MIDLAND COUNTIES ..		79	22	50.2	38.0	43.9	+ 1.3	566	— 14	280	—214	86	+12	12.59	320	+84	2.9	— 0.7	25	1012
5. ENGLAND, S.E. ..		81	22	51.2	39.8	45.4	+ 1.5	677	+ 45	183	—174	84	+11	11.63	296	+57	3.6	— 0.5	31	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		65	20	49.0	37.7	43.2	+ 0.6	462	— 17	279	—111	94	+ 4	18.41	466	+26	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		73	24	49.5	39.4	44.3	+ 1.3	525	+ 14	185	—175	91	+11	13.42	341	+36	3.4	— 0.3	29	1011
8. ENGLAND, S.W. (and South Wales) ..		76	24	50.7	40.5	45.5	+ 1.2	645	+ 19	133	—151	93	+13	17.73	450	+97	3.6	— 0.4	30	1012
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	— 0.1	29	1009
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		78	32	52.6	44.1	48.2	+ 1.3	921	+104	3	— 97	102	+16	15.81	402	+109	4.0	— 0.8	34	1013
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
1st June, 1923.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRY, LTD., THE GROVE, SOUTHWARK, S.E.1.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

89

111 JUN 1923

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:
 IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 22.
 Vol. XL. (New Series) }

TWENTY-SECOND WEEK.
 SUNDAY, MAY 27TH, TO SATURDAY, JUNE 2ND, 1923.

Price 9d. Net, Post free 9½d.
 Annual Subscription
 (including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was highest to the north-west of the British Islands during the week and the weather in Scotland and Ireland was considerably fairer and drier than it has been for some weeks past; in fact in several places the week was rainless. In most parts of England the weather was cloudy and unsettled with thunder and hail showers in a few places. The heaviest falls of rain occurred in the south-eastern parts of England during the first half of the week; amongst the largest measurements being 34mm. at Tunbridge Wells, 30mm. at Broadstairs, 29mm. at Margate, 26mm. at Portsmouth, 24mm. at Westbourne (Sussex), 23mm. at Folkestone and 21mm. at Brighton on May 28th, while one or two stations had falls of nearly 20mm. on the 29th. The total amount of rainfall for the week was above the normal in England south-east but in most other parts of the country it was below normal. Maximum temperatures of 70°F. and above were recorded in some parts of Scotland and Ireland, and at Crieff (Perth) a reading of 76°F. was registered. On the other hand in most parts of England temperature during the week did not rise much above 60°F. and at one or two of the East Coast stations the readings of the maximum thermometer did not

exceed 53°F. The lowest of the screen minima, 27°F., was registered at Balmoral on the morning of May 29th. Ground frosts occurred in several places, the lowest reading, 22°F., being recorded at Balmoral on May 29th and at Blackpool on the 31st. The mean temperature for the week was well below the normal in all districts, the greatest deficit, 7°F., being shown in the Midland Counties district. Sunshine records of between 14 and 15 hours were obtained on various days during the week. Amongst the largest amounts were 15·2 hours at Rothesay (Bute) and 14·9 hours at Renfrew on May 28th, 14·8 hours at Cahirciveen (Valencia Observatory) and 14·7 hours at Douglas (Isle of Man) on the 29th, 14·7 hours at Castlebay, 14·5 hours at Guernsey and Worthing on the 30th and 14·5 hours at Lancaster on June 2nd. The total amount of sunshine for the week was in most places below the normal and at one or two stations in the east of England the week was practically sunless. A sun pillar was observed at Lincoln on May 27th. As will be seen from the table on page 92 the mean temperature and total rainfall for the spring season was about normal. The sunshine may be classified as scanty.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM			SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.			
			Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		
				m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s	m.p.h
South	...	...	0	—	—	4	4	1·8	0	—	—	2	2	0·9	0	—	—	1	7	3·0	0	—	—	0	—	—	
North	...	...	28	15	6·6	15	6	2·5	27	13	5·8	25	4	2·0	28	10	4·5	12	9	4·1	24	10	4·4	25	8	3·7	
West	...	...	11	6	2·7	0	—	—	4	3	1·3	0	—	—	2	3	1·4	0	—	—	2	4	1·7	3	2	1·1	
East	...	...	13	7	3·1	23	7	3·1	16	5	2·1	27	7	3·1	26	13	5·7	16	13	5·9	22	8	3·9	22	8	3·4	
Calm (or wind- speed < 4 m.p.h.)			0	—	—	5	—	—	1	—	—	1	—	—	0	—	—	0	—	—	4	—	—	3	—	—	
No record			...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	11	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly)
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	—	—	Very Deficient
	Rainfall ..	Light	Light	Moderate	Moderate	Moderate	Heavy	Very Light	Light	Moderate	—	—	Moderate
	Sunshine ..	Moderate	Scanty	Very Scanty	Very Scanty	Very Scanty	Very Scanty	—	Scanty	Scanty	Moderate	—	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 13 weeks from March 4th, 1923.	Warmth ..	3, 5, 5	1, 6, 6	2, 5, 6	3, 6, 4	3, 5, 5	3, 6, 4	2, 5, 6	3, 4, 6	3, 5, 5	—	—	3, 5, 5
	Rainfall ..	5, 2, 6	5, 3, 5	3, 6, 4	3, 7, 3	2, 10, 1	4, 8, 1	4, 5, 4	5, 3, 5	2, 9, 2	—	—	6, 6, 1
	Sunshine ..	5, 5, 3	2, 5, 6	3, 4, 6	1, 7, 5	2, 2, 9	0, 8, 5	—	3, 5, 5	2, 3, 8	4, 5, 4	—	0, 6, 7

NOTE.

Explanatory Notes will be given in the "Guide to the Tables contained in the Weekly Issues" to be published as pp. 1-4 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

90 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal			Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	53	31, 1	39	28, 29	50.6	41.9	46.0	- 1.2	0	0.00	0	Lerwick	5.1	—	28	—	—	—	—	—	—	
Orkneys	Deerness	160	54	31st	41	28, 29	50.9	42.6	46.5	- 1.9	2	0.15	4	Deerness	4.8	- 1.1	27	—	—	—	—	—	—	
Hebrides	Stornoway	51	58	2nd	38	29, 31, 2	52.9	41.1	46.7	- 3.1	0	0.00	0.1	Stornoway	7.2	+ 0.8	41	—	—	—	—	—	—	
	Castlebay	37	56	1st	43	27th	53.9	45.1	49.2	—	0	0.00	0.1	Castlebay	11.6	—	68	—	—	—	—	—	—	
Caithness	Wick	81	57	2nd	39	29th	51.6	41.6	47.4	- 1.8	2	0.17	4	—	—	—	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	68	2nd	35	29th	56.3	39.6	47.5	- 4.3	2	0.05	1	—	—	—	—	—	—	—	—	—	—	
	Achnashellach	225	68	2nd	32	29th	58.9	39.9	48.8	—	0	0.00	0	Achnashellach	—	—	—	1	28	—	—	—	—	—
Inverness	Inverness	242	68	2nd	36	29th	55.0	40.4	47.3	—	1	0.02	0.4	Inverness	4.1	—	23	0	33	—	—	—	—	—
	Fort Augustus	68	73	2nd	32	29th	55.0	40.0	47.1	- 4.1	0	0.00	0	—	—	—	—	—	—	—	—	—	—	
	Fort William	171	72	1st	37	29th	61.1	41.0	50.5	- 2.1	0	0.00	0	—	—	—	—	—	—	—	—	—	—	
1. SCOTLAND, E.																								
Nairn	Nairn	82	68	2nd	35	29th	55.4	41.1	47.8	- 3.7	2	0.06	2	Nairn	3.7	—	21	—	—	—	—	—	—	—
Elgin	Gordon Castle	101	67	2nd	40	1st	53.7	42.0	47.5	- 4.3	3	0.14	4	Gordon Castle	3.3	—	19	—	—	—	—	—	—	—
Aberdeen	Aberdeen	46	67	2nd	40	29th	54.0	42.4	47.9	—	0	0.00	0.1	Aberdeen	4.2	- 2.5	24	1	29	—	—	45.9	- 2.3	
	Balmoral	930	69	2nd	27	29th	54.1	33.9	43.4	- 6.1	2	0.03	1	Balmoral	—	—	—	3	22	—	—	—	—	—
Perth	Criff	478	76	2nd	35	29th	60.4	40.3	49.8	- 3.2	0	0.00	0	(Kinc.) Crathes	4.1	- 2.2	24	0	32	46.6	—	44.0	—	
Forfar	Dundee	147	70	2nd	37	29th	58.1	41.3	49.2	—	1	0.04	1	Dundee	5.4	—	32	1	29	49.0	—	—	—	—
Fife	Inchkeith	190	64	2nd	41	29th	53.4	42.9	47.8	—	1	0.01	0.3	Inchkeith	5.8	—	34	1	28	—	—	—	—	—
Midlothian	Edinburgh	441	70	2nd	38	29th	53.4	41.3	47.0	- 4.4	1	0.02	0.4	Edinburgh	5.1	- 1.3	30	0	33	—	—	—	—	—
Peebles	West Linton	770	64	2nd	30	29th	54.0	38.3	45.7	- 3.8	3	0.05	1	West Linton	—	—	—	2	26	—	—	—	—	—
Berwick	Marchmont	498	65	2nd	39	28, 31	52.3	40.1	45.8	- 5.4	3	0.09	2	Marchmont	2.5	- 4.0	15	—	—	—	—	—	—	—
2. ENGLAND, N.E.																								
Argyle	Ford	149	—	—	—	—	—	—	—	—	0	0.00	0	Ford	—	—	—	1	22	51.4	—	47.6	—	—
Renfrew	Renfrew	49	71	2nd	31	29th	59.3	41.9	50.1	—	1	0.01	0.3	Renfrew	7.5	—	44	2	23	—	—	—	—	—
Bute	Rothsay	200	67	1, 2	39	28th	53.7	43.3	50.5	- 2.6	0	0.00	0	Rothsay	8.9	—	52	0	33	52.1	—	48.0	- 2.4	
Ayr	Kilmarnock	90	70	1st	36	29th	61.6	42.1	51.3	- 1.1	0	0.00	0	Kilmarnock	7.6	—	45	—	—	50.8	—	48.0	—	
	Colmonell	170	62	1st	37	29th	59.0	43.0	50.5	- 1.7	0	0.00	0	Colmonell	—	—	—	0	33	—	—	—	—	—
Dumfries	Dumfries	140	68	2nd	39	29th	56.6	41.6	48.7	- 5.0	0	0.00	0	Dumfries	6.8	—	40	0	31	50.1	- 6.1	48.1	- 3.9	
	Eskdalemuir	794	68	2nd	38	28, 29	53.6	39.4	46.1	—	1	0.01	0.3	Eskdalemuir	4.8	—	29	—	—	—	—	—	—	—
3. ENGLAND, E.																								
I. of Man	Douglas	234	65	2nd	41	29th	55.9	43.3	49.2	- 3.5	1	0.07	2	Douglas	8.8	+ 1.2	53	0	37	—	—	—	—	—
4. MIDLAND COUNTIES.																								
Northum-berland	Cockle Park	324	57	2nd	39	31st	52.4	40.9	46.3	- 4.5	4	0.09	2	Cockle Park	3.7	- 2.3	22	0	36	48.3	- 5.6	46.9	- 3.1	
Durham	Tynemouth	118	54	2nd	40	27th	50.0	43.0	46.3	- 5.5	3	0.12	3	Tynemouth	—	—	—	0	39	—	—	—	—	—
York	Durham	336	57	2nd	39	28th	50.3	40.9	45.3	- 7.2	4	0.29	7	Durham	2.3	- 3.4	14	0	35	—	—	—	—	—
	Rounton	249	56	2nd	37	31st	50.0	40.6	45.0	- 7.1	5	0.33	8	Rounton	—	—	—	1	25	48.3	—	—	—	—
N. Riding	West Witton	605	61	2nd	40	28, 30	51.3	41.3	46.0	—	1	0.10	3	West Witton	—	—	—	0	39	47.7	—	45.9	—	
	Scarborough	118	54	27, 2	43	28, 30, 31	50.6	43.6	46.9	- 6.1	3	0.50	13	Scarborough	2.1	- 4.1	12	—	—	—	—	50.1	—	
	York	56	58	2nd	43	27, 28, 30	53.4	43.9	48.4	- 6.5	3	0.24	6	York	2.8	- 3.0	17	—	—	50.6	- 4.2	49.0	- 1.8	
E. Riding	Spurn Head	26	53	30th	43	27th	51.3	44.1	47.5	- 5.9	3	0.42	11	Spurn Head	3.8	—	23	—	—	—	—	—	—	—
Lincoln	Lincoln	58	59	2nd	40	27th	53.4	42.7	47.7	- 7.9	4	0.54	14	Lincoln	—	—	—	0	35	49.4	- 7.3	49.0	- 2.3	
	Cranwell	237	56	30th	34	31st	52.1	40.6	46.0	- 9.0	3	0.44	11	Cranwell	1.4	- 5.3	9	1	30	—	—	—	—	—
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	1.9	- 5.2	12	—	—	—	—	—	—	—
Norfolk	Cromer	196	53	30, 2	40	30th	51.7	43.4	47.3	- 6.7	3	0.11	3	Cromer	0.0	- 6.9	0	—	—	—	—	—	—	—
	Yarmouth	13	57	28th	40	27th	52.1	45.7	48.7	- 5.4	3	0.26	7	Yarmouth	1.2	—	7	0	34	52.4	- 6.3	51.4	- 2.8	
	Norwich	93	55	28, 2	37	27th	53.1	44.6	48.6	- 6.7	4	0.37	9	Norwich	0.2	—	1	0	32	52.1	—	—	—	—
	Geldeston	37	56	28th	35	27th	53.5	44.1	48.5	- 6.2	3	0.42	11	Geldeston	0.8	- 6.6	5	—	—	—	—	—	—	—
Cambridge	Cambridge	41	61	30th	35	27th	54.4	43.4	48.6	- 7.3	4	0.32	8	Cambridge	1.3	- 5.8	8	1	29	51.2	- 7.2	50.7	- 3.0	
Hertford	Rothamsted	420	61	2nd	37	27th	54.4	42.1	47.9	- 7.0	3	0.75	19	Rothamsted	1.6	- 5.3	10	1	30	49.5	—	—	—	—
Middlesex	Tottenham	51	61	30th	43	27th	55.3	45.0	49.8	—	3	0.92	23	Tottenham	1.5	—	9	—	—	—	—	—	—	—
Essex	Clacton-on-Sea	54	57	30th	41	27th	54.0	44.6	49.0	- 5.8	3	0.61	15	Clacton-on-Sea	2.1	- 5.8	13	0	38	52.1	- 5.2	51.3	- 2.8	
	Southend	90	60	2nd	44	30th	55.1	43.6	49.0	—	2	0.89	23	Southend	0.9	—	5	0	42	52.1	—	—	—	—
5. ENGLAND, S.E.																								
London	Westminster	27	62	30th	44	27th	56.6	45.4	50.7	- 6.6	3	0.85	21	Westminster	1.2	- 4.8	7	0	35	—	—	—	—	—
	Greenwich	149	63	30th	43	27, 30	56.7	44.3	50.1	- 7.0	3	0.75	19	Greenwich	1.1	- 5.8	7	0	36	—	—	—	—	—
	Hampstead	450	60	30th	41	27th	53.4	42.7	47.7	—	3	0.97	25	Hampstead	1.9	—	12	0	35	—	—	—	—	—
	Camden Square	110	63	30th	43	27th	57.1	44.9	50.6	- 7.7	3	0.96	24	Camden Square	—	—	—	0	41	51.8	—	50.1	—	—
Surrey	Richmond (Kew O.)	18	61	30th	43	27th	54.9	45.0	49.7	- 6.9	3	0.64	16	Richmond (Kew Obs.)	1.3	- 5.6	8	0	40	52.7	- 5.1	51.3	- 1.4	
	Wisley	150	63	30th	42	27, 30	55.9	44.1	49.7	- 6.0	4	1.37	35	Wisley	1.3	- 5.8	8	0	32	52.8	- 4.9	51.5	- 1.6	
Kent	Tunbridge Wells	354	60	30th	39	30th	54.6	42.7	48.3	- 7.1	5	2.21	56	Tunbridge Wells	0.8	- 6.4	5	0	31	53.0	—	52.0	—	
	Margate	51																						

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week				Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.	mm.						Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.									*F.		*F.		*F.		*F.	
Cardigan	Aberystwyth ...	16	h	61	31st	43	27th	58.6	45.0	51.4	—	0	0.00	0	—	Aberystwyth	5.8	— 0.8	36	—	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	61	31st	42	27th	56.0	44.6	50.0	- 3.5	3	0.14	4	- 6	St. Ann's Hd.	5.8	- 1.6	36	—	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	63	2nd	40	28, 30, 31	54.3	41.4	47.5	—	2	0.13	3	—	Rhayader ..	3.8	—	23	0	34	—	—	—	—	
Glamorgan	Curdiff	202	p	60	30th	42	30th	55.6	44.1	49.5	- 5.7	3	0.36	9	- 3	Cardiff ..	4.7	—	29	0	39	52.2	- 6.2	51.0	- 1.8	
8b. ENGLAND, S.W.																										
Somerset	Bath	66	h	62	30th	43	27th	56.0	45.4	50.4	- 5.3	3	0.17	4	- 6	Bath	3.4	- 3.6	21	—	—	54.1	—	52.7	—	
Dorset	Shaftesbury ...	722	a	59	30th	40	27, 29	53.4	41.4	47.0	- 7.2	3	0.70	18	+ 7	Shaftesbury ..	—	—	—	—	—	51.3	—	50.9	—	
	Portland Bill ...	19	t	—	—	—	—	—	—	—	—	—	—	—	—	Weymouth ..	3.1	—	20	—	—	—	—	—	—	
Devon	Arlington	613	a	60	2nd	41	27th	55.7	43.7	49.3	- 4.3	3	0.28	7	- 8	Cullompton ..	2.4	- 4.2	15	0	37	54.5	—	—	—	
	Cullompton	202	a	64	30, 2	43	27th	57.7	44.7	50.8	- 4.7	3	0.22	5	- 6	Plymouth ..	5.1	- 2.2	32	0	39	53.5	- 5.6	52.0	—	
	Plymouth... ..	116	p	63	2nd	43	27th	57.4	47.1	51.9	- 4.1	2	0.38	10	0	Newquay ..	5.2	- 2.2	33	—	—	52.9	—	51.7	—	
Cornwall	Newquay	190	h	63	31st	44	27th	55.9	46.0	50.7	- 4.1	3	0.15	4	- 5	Falmouth ..	3.8	- 3.9	24	0	39	54.6	—	54.8	—	
	Falmouth	167	h	59	2nd	44	27th	55.3	47.0	50.9	- 4.2	4	0.39	10	- 1											
9. IRELAND, N.																										
Donegal	Malin Head	71	t	52	27, 31-2	40	29th	51.6	43.6	47.4	- 4.6	0	0.00	0	- 12	Malin Head ..	6.7	—	40	—	—	—	—	—	—	
Mayo	Blackod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	7.7	—	47	0	32	—	—	—	—	
	Mallarany	120	a	64	1st	40	27th	60.3	44.3	51.8	—	0	0.00	0	—	Markree Castle	7.2	+1.1	43	3	27	52.9	- 4.0	49.4	- 2.0	
Sligo	Markree Castle ...	122	p	67	1st	34	29th	59.9	40.0	49.4	- 3.2	0	0.00	0	- 17	Armagh ..	6.9	+0.8	41	1	30	51.1	- 4.7	49.0	- 2.6	
Armagh	Armagh	204	p	70	2nd	35	31st	58.7	42.6	50.2	- 2.9	1	0.01	0.3	- 14	Trinity Coll.	—	—	—	0	35	52.2	- 4.2	50.4	- 2.2	
Down	Donaghadee	35	t	57	2nd	44	29th	53.6	46.3	49.7	- 2.8	0	0.00	0	- 13	Phoenix Park	6.8	+0.1	41	0	31	—	—	—	—	
																Dublin City ..	—	—	—	0	38	—	—	—	—	
																Birr Castle ..	—	—	—	1	30	—	—	—	—	
10. IRELAND, S.																										
Dublin	Dublin City	54	p	64	2nd	43	2nd	55.6	45.1	50.0	- 5.2	1	0.05	1	- 11	Seskin ..	6.0	—	37	1	30	—	—	—	—	
King's County	Birr Castle	175	t	68	2nd	38	29th	59.0	41.0	49.5	- 4.2	1	0.01	0.3	- 13	Cahiriveen (Valencia O.)	9.4	+2.8	58	0	34	—	—	—	—	
Kilkenny	Kilkenny	195	a	67	2nd	39	29th	59.0	41.3	49.6	- 4.5	1	0.04	1	- 12	Ballinacurra	6.6	- 0.1	41	—	—	—	—	—	—	
Waterford	Waterford	137	a	66	2nd	39	29th	59.0	42.9	50.5	- 4.0	2	0.07	2	- 12	St. Mary's ..	3.3	- 4.5	21	—	—	—	—	—	—	
	Seskin, Carrick-on-Suir	542	p	63	31st	38	29th	56.7	40.1	47.9	—	1	0.01	0.3	—	Grange ..	6.1	- 2.2	39	0	41	55.3	- 4.2	53.9	- 1.5	
Limerick	Foynes	50	a	69	2nd	39	29th	59.6	43.9	51.3	- 3.3	1	0.01	0.3	- 14	St. Heliers ..	5.7	- 2.4	36	—	—	—	—	—	—	
Kerry	Cahiriveen (Val.O.)	30	t	65	31st	42	29, 2	58.1	44.3	50.8	- 3.6	0	0.00	0.1	- 18											
	Killarney	174	a	69	2nd	38	29th	61.8	41.8	51.2	- 3.3	2	0.09	2	- 15											
Cork	Roche's Point	32	t	—	—	—	—	—	—	—	—	—	—	—	—											
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	131	t	60	2nd	43	27th	55.7	46.4	50.8	- 4.3	6	0.41	10	- 1	St. Mary's ..	3.3	- 4.5	21	—	—	—	—	—	—	
Guernsey	Grange	173	p	59	30th	43	27th	55.7	47.4	51.3	- 5.2	5	0.73	19	+ 7	Grange ..	6.1	- 2.2	39	0	41	55.3	- 4.2	53.9	- 1.5	
Jersey	St. Aubins	25	t	66	1st	44	29, 30	59.3	47.4	53.0	- 3.7	4	0.41	10	- 3	St. Heliers ..	5.7	- 2.4	36	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 2nd, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ‡										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.	—	hr.	—	hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands Lerwick ...	310	42	+	—	0	27, 28, 30, 31, 2	37	101	30	0	0	40	31	14	28	1	43	19	2	22	50		
Orkneys **Deerness (Cup Anr.)	188	16	5	—	—	26, 28, 30	17	113	38	0	0	10	32	14	26	4	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	+	—	0	28	3	64	99	2	0	10	25	11	28	11	37	17	28	11	15		
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	31	108	29	0	30	20	9	28	3	33	15	28	3	5		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	22	(125)	(21)	0	70	16	7	27	19	34	15	27	12	10		
Dumfries Eskdalemuir ...	825	50	22	—	0	28	7	90	65	4	2	40	32	15	28	19	48	21	28	18	20		
2. ENGLAND, N.E.																							
Durham South Shields... ...	72	61	12	—	0	—	0	63	99	6	0	40	21	9	28	23	33	15	28	6	40		
York, E.R. Spurn Head ...	67	41	+	—	0	28, 29	23	109	34	2	0	10	34	15	29	8	41	18	29	8	5		
Lincoln Cranwell ...	280	43	31	—	0	29	2	62	(84)	(20)	0	20	26	12	29	12	31	14	29	12	0		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	+	—	0	29	5	100	59	4	0	10	29	13	29	8	39	17	29	8	55		
Essex Shoeburyness... ...	103	90	+	—	0	—	0	55	101	12	0	80	23	10	30	14	31	14	30	13	55		
5. ENGLAND, S.E.																							
Surrey Richmond (Kew Obs.)... ...	82	65	22	—	0	—	0	9	138	21	0	10	14	6	29	13	24	11	29	12	10		
Kent Lympne ...	409	70	+	—	0	—	0	86	77	5	0	20	24	11	30	16	32	14	30	16	55		
Surrey Croydon ...	284	40	24	—	0	—	0	5	137	26	0	60	15	7	30	18	24	11	28	13	20		
Hampshire Petersfield (Stoner Hill)... ...	811	42	+	—	0	—	0	4	155	9	0	20	14	6	29	15	26	12	29	15	40		
Sussex Brighton ...	261	53	6	—	0	—	0	29	109	30	0	—	19	9	30	22	29	13	30	19	50		
Hampshire S. Farnboro' (Pye's Tr.)... ...	444	160	—	—	0	—	0	57	106	5	0	20	20	9	29	15	32	14	29	9	10		
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	29	7	137	(23)	(0)	1	40	26	12	29	19	33	15	29	19	5		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)... ...	109	44	—	—	0	29	2	59	98	9	0	10	28	13	29	1	—	—	—	—	—		
Lancashire Southport ...	80	62	48	—	0	—	0	95	69	4	0	60	23	10	29	15	33	15	29	15	10		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	+	—	0	28	3	132	31	2	0	27	12	28	8	35	16	28	6	45			
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	—	0	Instrument under repair.																	
Cornwall Pendennis Castle ...	256	65	24	—	0	31, 1	14	63	65	18	8	70	30	13	31	10	38	17	31	9	25		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)... ...	49	27	—	—	0	—	0	102	40	26	0	40	23	10	28	2	—	—	—	—	—		
Clare Quilty... ...	100	40	+	—	0	29	2	58	75	33	0	—	25	11	29	19	37	17	29	21	35		
Kerry Cahirciveen (Val. Obs.)... ...	98	41	+	—	0	—	0	91	58	19	0	10	24	11	29	18	36	16	30	0	20		
Cork Weaver Pt. ...	160	30	+	—	—	—	—	93	63	12	0	—	22	10	31	19	34	15	27	12	20		
11a. SCILLY ISLES.																							
Scilly St. Mary's ...	150	32	+	—	0	27, 31	5	127	29	0	7	190	28	13	31	4	39	17	31	3	35		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		TWENTY-SECOND WEEK of 1923—May 27th to June 2nd, 1923.																			
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.		
		At any "D. V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration			
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal									Below 42°	Deviation from Normal
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.	
0. SCOTLAND, NORTH ..		73	32	55.2	41.0	47.7	- 2.8	43	- 16	3	+ 2	1	- 3	0.03	1	- 14	5.3	- 0.2	30	1027	
Eastern.																					
1. SCOTLAND, EAST ..		76	27	54.7	40.1	47.0	- 4.6	40	- 27	5	+ 4	2	- 1	0.05	1	- 12	4.2	- 2.3	24	1026	
2. ENGLAND, N.E. ..		59	34	51.5	42.3	46.6	- 6.5	32	- 46	0	0	4	+ 1	0.33	8	- 3	2.4	- 3.9	14	1023	
3. ENGLAND, EAST ..		61	35	53.6	44.1	48.5	- 6.6	45	- 47	0	0	3	0	0.47	12	+ 2	1.2	- 6.0	7	1020	
4. MIDLAND COUNTIES ..		63	33	53.9	42.3	47.7	- 7.0	40	- 50	0	0	3	0	0.29	7	- 5	2.1	- 4.3	13	1021	
5. ENGLAND, S.E. ..		64	39	54.8	44.5	49.3	- 6.5	51	- 46	0	0	3	0	1.03	26	+ 16	2.0	- 5.4	12	1019	
Western.																					
6. SCOTLAND, WEST (and Isle of Man) ..		71	31	58.5	42.5	50.1	- 2.8	57	- 19	0	0	0	- 4	0.01	0	- 17	—	—	—	1025	
7. ENGLAND, N.W. (and North Wales) ..		66	36	54.6	43.1	48.5	- 5.4	45	- 38	0	0	2	- 1	0.11	3	- 11	5.5	- 1.3	33	1023	
8. ENGLAND, S.W. (and South Wales) ..		64	40	55.8	44.7	49.9	- 4.9	55	- 35	0	0	3	0	0.34	9	- 2	4.4	- 2.5	27	1020	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.1	+ 0.9	42	1025	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly) ..		66	43	56.9	47.1	51.7	- 4.2	68	- 29	0	0	5	+ 2	0.52	13	+ 1	5.1	- 3.1	32	1018	
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, March 4th to June 2nd, 1923.																					
0. SCOTLAND, NORTH ..		73	24	49.5	37.5	43.2	- 0.4	284	- 72	179	- 30	48	- 10	7.99	204	- 51	4.9	+ 0.5	34	1013	
Eastern.																					
1. SCOTLAND, EAST ..		76	20	49.4	36.5	42.6	- 1.5	281	- 135	222	- 8	49	- 3	6.09	155	- 11	3.9	- 1.0	27	1013	
2. ENGLAND, N.E. ..		73	25	50.9	38.9	44.6	- 0.7	367	- 98	129	- 33	46	0	4.81	122	- 11	4.3	- 0.9	31	1014	
3. ENGLAND, EAST ..		82	25	53.4	40.8	46.8	+ 0.2	516	- 57	80	- 78	42	- 1	3.85	95	- 32	4.4	- 1.1	32	1014	
4. MIDLAND COUNTIES ..		79	25	53.0	39.2	45.8	- 0.6	464	- 118	120	- 58	48	+ 6	5.68	144	+ 2	3.7	- 1.2	26	1013	
5. ENGLAND, S.E. ..		81	26	54.0	41.6	47.5	- 0.2	558	- 67	60	- 52	47	+ 5	6.45	164	+ 29	4.4	- 1.3	32	1013	
Western.																					
6. SCOTLAND, WEST (and Isle of Man) ..		71	23	51.9	38.2	44.7	- 0.9	392	- 86	143	- 5	43	- 9	7.31	184	- 48	—	—	—	1013	
7. ENGLAND, N.W. (and North Wales) ..		73	25	51.8	40.0	45.6	- 0.7	418	- 92	89	- 35	45	- 1	6.23	158	- 13	4.8	- 0.4	34	1013	
8. ENGLAND, S.W. (and South Wales) ..		76	26	52.9	41.5	46.9	- 0.5	504	- 84	57	- 39	49	+ 4	6.69	169	- 18	4.7	- 0.8	34	1013	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.7	- 0.2	33	1013	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly) ..		78	34	54.5	44.9	49.5	0.0	683	- 20	0	- 26	58	+ 11	8.03	204	+ 49	5.3	- 1.2	38	1013	
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
THE YEAR. Aggregates, &c., for the Period of 22 Weeks, December 31st, 1922, to June 2nd, 1923.																					
0. SCOTLAND, NORTH ..		73	24	47.5	37.4	42.3	+ 0.9	367	- 43	317	- 198	99	- 5	20.64	525	- 5	3.3	+ 0.1	28	1009	
Eastern.																					
1. SCOTLAND, EAST ..		76	20	47.1	36.4	41.6	+ 0.3	357	- 116	419	- 164	95	+ 7	13.11	335	+ 42	2.9	- 0.8	25	1010	
2. ENGLAND, N.E. ..		73	25	48.6	38.1	43.2	+ 0.6	484	- 51	294	- 156	83	+ 3	9.73	249	+ 27	3.3	- 0.7	28	1012	
3. ENGLAND, EAST ..		82	23	50.5	39.2	44.7	+ 1.5	655	+ 1	234	- 233	82	+ 4	8.46	212	- 4	3.5	- 0.7	29	1013	
4. MIDLAND COUNTIES ..		79	22	50.4	38.2	44.1	+ 1.0	606	- 64	280	- 214	89	+ 12	12.88	327	+ 79	2.9	- 0.8	24	1012	
5. ENGLAND, S.E. ..		81	22	51.4	40.0	45.5	+ 1.1	728	- 1	183	- 174	87	+ 11	12.66	322	+ 73	3.5	- 0.7	29	1013	
Western.																					
6. SCOTLAND, WEST (and Isle of Man) ..		71	20	49.4	38.0	43.5	+ 0.4	519	- 36	279	- 111	94	0	18.42	466	+ 9	—	—	—	1010	
7. ENGLAND, N.W. (and North Wales) ..		73	24	49.7	39.6	44.5	+ 1.0	570	- 24	185	- 175	93	+ 10	13.53	344	+ 25	3.5	- 0.3	29	1011	
8. ENGLAND, S.W. (and South Wales) ..		76	24	51.0	40.6	45.7	+ 0.9	700	- 16	133	- 151	96	+ 13	18.07	459	+ 95	3.6	- 0.5	30	1013	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	0.0	30	1010	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly) ..		78	32	52.8	44.2	48.4	+ 1.1	989	+ 75	3	- 97	107	+ 18	16.33	415	+ 110	4.1	- 0.8	34	1014	
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.	

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
8th June, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

93

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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FORTY-SIXTH YEAR. } No. 23.
Vol. XL. (New Series) }

TWENTY-THIRD WEEK.

SUNDAY, JUNE 3rd, TO SATURDAY, JUNE 9th, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week was generally dull and unsettled. There were a few rather heavy falls of rain in the northern parts of the country; amongst the largest measurements being 25mm. at Onich (Inverness), 20mm. at Ford (Argyll) and 12mm. at Rothesay (Bute) on the 7th, and 20mm. at Stonyhurst, 17mm. at Achnashellach (Ross-shire), 13mm. at Aspatria and 12mm. at Dumfries on the 8th. The total amount of rainfall for the week was above the normal in the Scottish Districts but in all the other Districts it was below normal. Maximum temperatures slightly above 70°F. were registered at a number of stations on various days during the week but during the early part of the period, the day temperatures in some parts of Scotland and north-eastern England were decidedly low, maximum temperatures round about 50°F. being registered in several places. There were one or two screen minima slightly below 32°F. but in most parts of the country the night temperatures were higher than they have

been of late. Ground frosts occurred in places and at Cambridge a grass temperature of 26°F. was recorded on the 3rd. The mean temperature for the week was again below the normal in all Districts, the greatest deficit, 4.4°F., occurring in England S.E. There were a few sunshine records of between 10 and 12 hours obtained in various parts of the country; amongst the largest amounts being 12.0 hours at Aberystwyth and Tenby and 11.7 hours at Rhyl on the 4th and 12.3 hours at Gordon Castle (Elgin) on the 6th. The daily mean of sunshine for the week at Guernsey was slightly in excess of the normal but at all other stations it was below normal. The departure of the mean duration from the normal for the week ranged from +0.9 hours at Guernsey to -5.3 hours at Douglas (Isle of Man). Aurora was seen at Yarmouth on the 5th. Solar halos were witnessed at a number of stations on various days during the week. A sun pillar was observed at Lincoln on the 4th and at Oxford on the 7th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
				Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
					m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	...	...	6	9	4.1	7	13	6.0	13	10	4.5	9	6	2.6	10	15	6.6	6	14	6.3	12	11	4.9	12	15	6.7	
North	...	...	20	10	4.4	15	4	1.6	12	12	5.5	11	6	2.9	17	10	4.5	12	12	5.5	12	8	3.5	14	12	5.5	
West	...	...	24	7	3.1	21	13	5.7	20	8	3.5	16	10	4.3	26	11	4.8	14	11	4.8	21	14	6.3	19	6	2.5	
East	...	...	3	4	1.7	5	5	2.1	5	2	1.1	3	5	2.3	2	7	3.0	2	3	1.5	4	5	2.3	6	3	1.3	
Calm (or wind- speed < 4 m.p.h.)			0	—	—	2	—	—	3	—	—	7	—	—	0	—	—	0	—	—	0	—	—	2	—	—	
No record	...		0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	9	—	—	0	—	—	0	—	—	

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.		
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.		
Comparison with the normal for the time of year ..	Warmth	Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	Deficient	—	—	Deficient	
	Rainfall	Heavy	Moderate	Moderate	Light	Light	Very Light	Heavy	Moderate	Light	—	—	Very Light	
	Sunshine	Very Scanty	Very Scanty	Very Scanty	Very Scanty	Very Scanty	Very Scanty	—	Very Scanty	Scanty	Very Scanty	Very Scanty	Scanty	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 1 week from June 3rd, 1923.	Warmth	..	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	—	—	0, 0, 1
	Rainfall	..	1, 0, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	1, 0, 0	0, 1, 0	0, 0, 1	—	—	0, 0, 1
	Sunshine	..	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	—	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.*

94 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	55	9th	38	5th	49.9	41.6	45.5	-2.4	3	1.00	25	+17	Lerwick	4.1	—	22	—	—	—	—	—
Orkneys	Deerness	160	p	57	8th	37	7th	51.4	42.1	46.4	-2.7	5	0.51	13	+5	Deerness	3.5	-2.4	19	—	—	—	—	—
Hebrides	Stornoway	51	t	57	8th	42	6th	52.7	45.7	49.0	-1.6	6	0.65	17	+6	Stornoway	1.8	-4.7	10	—	—	—	—	—
	Castlebay	37	t	53	8th	46	5, 6	51.4	47.9	49.5	—	7	0.44	11	—	Castlebay	1.0	—	6	—	—	—	—	—
Caithness	Wick	81	t	62	8th	35	7th	53.7	42.7	47.8	-2.2	5	0.85	21	+13									
Ross and Cromarty	Strathpeffer	125	a	62	8th	38	6th	57.6	44.3	50.5	-2.3	7	0.20	5	-3									
	Achnashellach	225	a	56	9th	43	4, 6	53.0	46.3	49.4	—	6	2.00	51	—	Achnashellach	—	—	0	40	—	—	—	—
Inverness	Inverness	242	a	60	8th	40	6, 7	55.6	43.7	49.2	—	7	0.20	5	—	Inverness	2.2	—	12	0	38	—	—	—
	Fort Augustus	68	a	58	5, 8, 9	42	6th	56.7	46.6	51.3	-0.9	5	1.14	29	+19									
	Onich	—	a	60	3rd	43	5th	56.4	47.7	51.8	—	5	1.77	45	—	Onich	0.6	—	4	0	37	—	—	—
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	68	8th	37	7th	58.1	45.0	51.1	-1.2	6	0.26	7	-1	Nairn	2.9	—	17	—	—	—	—	—
Elgin	Gordon Castle	101	p	64	8th	37	7th	57.0	43.6	49.8	-2.9	2	0.45	11	+2	Gordon Castle	4.3	—	24	—	—	—	—	—
Aberdeen	Aberdeen	46	t	67	7th	39	6th	57.7	44.9	50.9	—	6	0.29	7	-1	Aberdeen	4.1	-2.2	23	1	29	—	—	46.8
	Balmoral	930	a	60	7th	33	7th	55.4	40.6	47.5	-3.1	5	0.35	9	0	Balmoral	—	—	2	28	—	—	—	—
Perth	Crieff	478	p	63	7th	38	5th	60.1	44.0	51.5	-2.4	5	0.45	11	0	(Kinc.) Crathes	3.3	-2.7	19	1	28	49.5	—	45.7
Forfar	Dundee	147	a	65	7th	39	5, 6	59.4	44.1	51.2	—	4	0.34	9	—	Dundee	2.3	—	13	0	34	51.1	—	—
Fife	Inchkeith	190	t	59	9th	42	5th	56.0	46.4	50.9	—	6	0.28	7	—	Inchkeith	2.6	—	34	1	28	—	—	—
Midlothian	Edinburgh	441	p	63	9th	40	5th	57.1	45.6	51.0	-1.2	7	0.63	16	+8	Edinburgh	5.1	-3.8	14	0	36	—	—	—
Peebles	West Linton	770	a	60	8, 9	32	5th	56.3	41.0	48.1	-2.4	6	0.95	24	—	West Linton	—	—	1	27	—	—	—	—
Berwick	Marchmont	498	a	62	7, 9	37	5th	57.0	44.1	50.1	-1.9	5	0.33	8	-2	Marchmont	2.5	-3.7	14	—	—	—	—	—
6a. SCOTLAND, W.																								
Argyle	Ford	149	a	58	7th	37	5th	55.0	43.9	49.1	—	6	1.57	40	—	Ford	—	—	0	35	52.7	—	48.9	—
Renfrew	Renfrew	49	t	61	7th	34	5th	57.7	45.1	51.0	—	4	0.61	15	—	Renfrew	1.7	—	10	1	27	—	—	—
Bute	Rothsay	200	p	58	9th	40	4th	54.4	45.3	49.5	-4.8	6	0.83	21	+8	Rothsay	1.0	—	6	0	37	53.7	—	49.9
Ayr	Kilmarnock	90	a	64	7th	37	5th	59.6	45.1	51.9	-1.7	4	0.81	21	+12	Kilmarnock	1.5	—	9	—	53.4	—	49.0	-1.6
	Colmonell	170	a	61	7, 9	41	5th	55.7	46.4	50.7	-2.5	5	0.42	11	0	Colmonell	—	—	0	37	—	—	—	—
Dumfries	Dumfries	140	p	59	3, 7, 9	37	5th	57.3	45.7	51.1	-4.0	4	0.59	15	+5	Dumfries	1.7	—	10	1	29	53.0	-4.4	49.2
	Eskdalemuir	794	t	58	9th	31	5th	54.6	42.1	47.9	—	5	1.65	42	—	Eskdalemuir	1.7	—	10	1	28	—	—	-4.1
6b. ISLE OF MAN.																								
I. of Man	Douglas	284	a	58	7th	44	5th	53.9	47.1	50.3	-3.6	6	0.49	12	+2	Douglas	2.3	-5.3	14	0	40	—	—	—
2. ENGLAND, N.E.																								
Northum-berland	Cockle Park	324	p	63	3rd	38	5th	58.3	42.6	49.9	-1.4	5	0.19	5	-8	Cockle Park	2.8	-3.0	17	0	34	51.0	-4.1	48.4
	Tynemouth	118	t	64	7th	41	5th	57.7	46.3	51.6	-0.7	5	0.29	7	-4	Tynemouth	—	—	0	38	—	—	—	-2.8
Durham	Durham	336	p	63	3, 9	40	4, 5	58.6	44.0	50.8	-2.4	4	0.34	9	-1	Durham	2.1	-3.4	12	0	32	—	—	—
York	Rounton	249	p	63	3, 7, 9	40	5th	58.6	44.6	51.1	-1.7	6	0.33	8	-4	Rounton	—	—	0	33	50.0	—	—	—
N. Riding	West Witton	605	a	61	3, 9	40	5th	58.3	44.9	51.1	-1.7	6	0.43	11	—	West Witton	3.0	-2.8	18	—	41	50.8	—	46.5
	Scarborough	118	a	66	9th	42	5th	58.3	46.3	51.9	-1.7	2	0.21	5	-5	Scarborough	2.3	-3.3	14	—	—	52.1	-3.8	50.8
	York	56	p	70	9th	42	4, 5	61.3	46.0	53.1	-2.4	5	0.26	7	-4	York	—	—	—	—	—	—	—	49.7
E. Riding	Spurn Head	26	t	68	9th	43	3, 4, 5	56.7	46.1	51.0	-2.9	2	0.33	9	+1	Spurn Head	3.3	—	20	—	—	—	—	—
Lincoln	Lincoln	58	a	69	9th	41	3, 5	59.0	46.1	52.1	-4.1	6	0.46	12	+1	Lincoln	—	—	0	38	50.9	-7.0	49.3	
	Cranwell	237	t	69	9th	37	3rd	58.4	44.4	50.9	-4.7	4	0.43	11	0	Cranwell	2.7	-3.7	16	1	29	—	—	-3.3
	Skegness	—														Skegness	2.7	-4.2	16	—	—	—	—	—
3. ENGLAND, E.																								
Norfolk	Cromer	196	a	70	9th	39	3rd	59.0	43.6	50.8	-3.8	3	0.11	3	-8	Cromer	4.7	-1.6	28	—	—	—	—	—
	Yarmouth	13	t	72	9th	38	3rd	59.9	45.3	52.1	-2.8	2	0.19	5	-7	Yarmouth	4.8	—	29	0	33	53.3	-6.5	52.0
	Norwich	93	a	72	9th	37	3rd	60.9	44.6	52.2	-3.8	3	0.19	5	-8	Norwich	4.1	—	25	0	33	54.2	—	—
	Geldeston	37	a	71	9th	36	3rd	60.6	44.4	51.9	-3.5	3	0.19	5	-7	Geldeston	3.9	-2.9	24	—	—	—	—	—
Cambridge	Cambridge	41	p	70	9th	31	3rd	61.7	43.9	52.2	-4.4	4	0.26	7	-7	Cambridge	2.2	-4.3	14	1	26	52.6	-6.8	51.1
Hertford	Rothamsted	420	a	67	3rd	34	3rd	58.6	42.7	50.1	-5.4	4	0.22	6	-9	Rothamsted	2.4	-4.0	15	1	27	51.1	—	—
Middlesex	Tottenham	51	p	70	3rd	38	3rd	61.9	46.9	53.9	—	3	0.18	5	—	Tottenham	3.3	—	20	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	62	8, 9	39	3rd	57.9	46.3	51.7	-3.9	4	0.17	4	-6	Clacton-on-Sea	3.3	-3.9	20	0	31	53.3	-4.9	51.9
	Southend	90	a	64	3rd	41	3rd	60.0	45.9	52.5	—	2	0.20	5	—	Southend	3.6	—	22	0	42	53.5	—	—
4. MIDLAND COUNTIES.																								
York	Harrogate	479	a	64	7th	38	5th	58.7	43.9	50.8	-3.1	6	0.49	12	-3	Harrogate	2.9	-3.3	17	0	39	50.4	-3.5	49.1
W. Riding	Sheffield	429	p	68	9th	40	5th	58.6	46.4	52.1	—	6	0.48	12	-2	Sheffield	3.6	-2.1	21	0	37	50.0	-5.3	47.6
Derby	Buxton	987	p	62	9th	38	5th	55.7	44.3	49.6	-3.2	6	0.91	23	+3	Buxton	2.6	—	16	0	39	50.6	-4.8	46.8
Nottingham	Worksop (HodsckP)	56	a	71	9th	41	3rd	61.4	45.9	53.1	-2.6	4	0.41	10	-2	Worksop	1.9	-3.6	11	0	34	52.2	—	49.9
	Nottingham	82	t	70	9th	40	3rd	59.7	46.0	52.4	-3.8	4	0.29	7	-5	Nottingham	1.9	-4.0	12	0	36	50.4	-7.6	48.6
Warwick	Birmingham (Edg.)	525	t	65	9th	41	5th	59.4	46.0	52.2	-3.8	3	0.18	5	-9	Birmingham	2.3	-2.7	14	0	35	49.2	-3.9	47.0
Northampton	Raunds	213	a	70	9th	34	3rd	62.3	44.1	52.6	-3.9	4	0.21	5	-7	Raunds	2.7	—	16	0	32	52.5	—	-2.2
Oxford	Oxford	208	p	71	3rd	36	2nd	62.1	46.1	53.5	-3.5	3	0.10	3	-11	Oxford	3.2	-3.2	20	1	29	—	—	—
Stafford	Cheadle	646	a	67	9th																			

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.	h	°F.	°F.	3rd	°F.	°F.	°F.	°F.		in.	mm.	mm.		Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.		
Cardigan	Aberystwyth ...	16	t	59	9th	43	3rd	56.7	49.1	52.6	—	4	0.15	4	—	Aberystwyth	4.4	- 2.0	27	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	60	3rd	47	3rd	56.1	49.1	52.4	- 2.5	3	0.17	4	- 8	St. Ann's Hd.	5.0	- 2.2	31	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	64	3rd	37	3rd	57.9	45.4	51.2	—	3	0.13	3	—	Rhayader ..	4.1	—	25	1	29	—	—	—	
Glamorgan	Cardiff	202	p	67	3rd	44	3rd	60.4	47.9	53.7	- 3.0	2	0.35	9	- 6	Cardiff ..	4.6	—	28	0	33	55.0	- 4.5	51.4	- 2.6
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	69	3rd	39	3rd	62.9	48.6	55.3	- 1.8	1	0.05	1	- 12	Bath ..	4.6	- 2.1	28	—	—	56.1	—	53.4	—
Dorset	Shaftesbury ...	722	a	68	3rd	41	3rd	59.3	44.9	51.6	- 4.0	1	0.02	0.4	- 13	Shaftesbury ..	—	—	—	—	—	52.5	—	51.3	—
Devon	Portland Bill ...	19	t	58	5, 6, 7	47	3rd	56.7	50.7	53.5	- 2.6	0	0.00	0	- 9	Weymouth ...	5.4	—	33	—	—	—	—	—	—
	Arlington	613	a	65	3rd	42	3rd	60.1	46.1	52.6	- 2.4	2	0.61	15	- 4	Cullompton ..	3.2	- 3.3	20	0	34	57.0	—	—	—
	Cullompton	202	a	72	3rd	39	3rd	64.9	46.9	55.3	- 1.6	1	0.02	1	- 12	Plymouth ..	3.6	- 3.4	22	0	37	56.6	- 3.6	52.3	—
Cornwall	Plymouth... ..	116	p	62	3, 7	44	3rd	58.6	48.9	53.4	- 3.9	2	0.13	3	- 9										
	Newquay	190	h	62	9th	41	3rd	56.8	48.9	52.6	- 3.4	3	0.11	3	- 8	Newquay ..	4.0	- 3.2	25	—	—	54.6	—	52.1	—
	Falmouth... ..	167	h	67	3rd	45	3rd	60.1	49.4	54.4	- 2.1	2	0.26	7	- 6	Falmouth ..	4.8	- 2.6	30	0	42	58.3	—	56.2	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	59	7, 9	45	3rd	54.6	47.1	50.6	- 2.6	6	0.31	8	- 2	Malin Head ..	1.3	—	8	—	—	—	—	—	—
Mayo	Blackrod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
Sligo	Mallarany	120	a	59	6th	45	3rd	57.9	48.3	52.8	—	4	1.34	34	—	Mallarany ..	3.0	—	18	0	41	—	—	—	—
	Markree Castle ...	122	p	64	9th	46	3, 4	58.0	48.3	52.8	- 1.1	6	0.39	10	- 4	Markree Castle	1.0	- 4.9	6	0	42	54.5	- 3.3	50.6	- 1.8
Armagh	Armagh	204	p	63	9th	44	3rd	59.1	47.0	52.6	- 1.9	5	0.20	5	- 7	Armagh ..	0.8	- 5.1	5	0	39	54.0	- 2.8	50.4	- 2.2
Down	Donaghadee ...	35	t	65	9th	45	3rd	57.9	48.9	53.1	- 0.7	3	0.22	6	- 6										
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	68	9th	48	7th	61.1	50.3	55.3	- 1.3	0	0.00	0	- 10	Trinity Coll.	—	—	—	0	42	54.1	- 3.4	51.2	- 2.4
King's County	Birr Castle ...	175	t	65	9th	47	3, 5	60.3	48.7	54.1	- 1.1	4	0.29	7	- 5	Phoenix Park	2.7	- 3.9	16	0	39	—	—	—	—
Kilkenny	Kilkenny	195	a	69	9th	48	5, 7	62.3	49.9	55.7	+ 0.2	3	0.15	4	- 8	Dublin City ..	—	—	—	0	43	—	—	—	—
Waterford	Waterford	137	a	64	4th	48	3, 5	60.6	50.4	55.1	- 0.8	3	0.06	1	- 12	Birr Castle ..	2.6	- 3.3	15	0	39	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	63	3rd	46	5, 6, 7	60.7	47.6	53.7	—	3	0.09	2	—	Seskin ..	2.5	—	15	0	40	—	—	—	—
Limerick	Foynes	50	a	65	9th	47	7th	61.0	49.6	54.9	- 1.1	3	0.24	6	- 7										
Kerry	Cahiriveen (Val.O.)	30	t	61	3rd	47	3, 7	57.4	49.9	53.4	- 2.2	3	0.44	11	- 6	Cahiriveen	2.7	- 4.0	15	0	39	—	—	—	—
Cork	Killarney	174	a	65	8th	46	7th	60.7	49.6	54.8	- 1.1	4	0.18	5	- 10	(Valencia O.)	3.0	- 3.7	18	—	—	—	—	—	—
	Roche's Point ...	32	t	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	60	3rd	46	3rd	57.3	49.0	52.9	- 3.1	3	0.09	2	- 10	St. Mary's ..	4.8	- 2.3	30	—	—	—	—	—	—
Guernsey	Grange	173	p	62	8, 9	46	5th	59.6	49.4	54.1	- 3.1	0	0.00	0	- 13	Grange ..	8.3	+ 0.9	51	0	43	58.5	- 1.8	54.7	- 1.7
Jersey	St. Aubins	25	t	63	9th	42	8th	59.9	48.3	53.7	- 3.9	0	0.00	0	- 14	St. Heliers ..	7.0	- 0.5	43	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 9th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Dur-ation.	Dates of Occurrence.	Dur-ation.	Dur-ation.	Dur-ation.	Dur-ation.	Dur-ation.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands	310	42	†	—	0	3, 7, 8, 9	37	96	19	6	10	250	36	16	9	5	49	22	9	5	5
Orkneys	188	16	†	—	0	2, 8	7	72	82	7	0	300	32	14	2	15	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen	72	42	†	—	0	—	0	65	95	8	0	210	22	10	8	9	40	18	8	18	0
Edinburgh	485	39	31	—	0	8, 9	18	64	64	22	0	210	36	16	8	9	57	25	8	8	35
6a. SCOTLAND, W.																					
Renfrew	188	81	15	—	0	—	0	71	86	11	0	200	23	10	8	11	46	21	8	12	0
Dumfries	825	50	22	—	0	3, 5, 7, 8, 9	39	64	49	12	4	200	37	16	8	10	53	23	8	9	55
2. ENGLAND, N.E.																					
Durham	72	61	12	—	0	8	2	74	(76)	(16)	0	250	30	13	8	13	55	25	8	12	45
York, E.R.	67	41	†	—	0	Instrument under repair.	1	79	(67)	(21)	0	210	25	11	8	18	31	14	8	19	25
Lincoln	280	43	31	—	0	8	1	79	(67)	(21)	0	210	25	11	8	18	31	14	8	19	25
3. ENGLAND, E.																					
Norfolk	52	42	†	—	0	4	2	84	64	18	0	350	25	11	4	10	40	18	4	5	55
Essex	103	90	†	—	0	8, 9	12	66	58	31	1	230	27	12	9	12	42	19	8	14	40
5. ENGLAND, S.E.																					
Surrey	82	65	22	—	0	—	0	41	81	46	0	210	20	9	8	15	33	15	8	14	35
Kent	409	70	†	—	0	4, 8	2	73	72	21	0	240	25	11	8	13	37	17	8	15	20
Surrey	284	40	24	—	0	—	0	51	86	29	2	220	20	9	9	11	33	15	9	11	35
Hampshire	811	42	†	—	0	—	0	58	85	19	6	230	22	10	8	17	38	17	8	14	5
Sussex	261	53	6	—	0	—	0	53	90	25	0	—	22	10	9	1	35	16	9	0	25
Hampshire	444	160	—	—	0	8, 9	13	84	57	13	1	220	30	13	8	15	44	20	8	14	50
Wiltshire	513	63	43	—	0	8, 9	11	102	(55)	(0)	0	200	32	14	8	13	39	17	8	12	0
7a. ENGLAND, N.W.																					
Lancashire	109	44	—	5	1	3, 5, 6, 8, 9	36	82	43	6	0	280	40	18	5	21	—	—	—	—	—
Lancashire	80	62	48	—	0	3 to 6, 8, 9	57	86	25	0	0	310	33	15	3	21	46	21	9	21	15
7b. NORTH WALES.																					
Anglesey	64	45	†	—	0	5, 6, 8, 9	33	104	31	0	0	200	31	14	8	14	48	21	8	11	35
8b. ENGLAND, S.W.																					
Devon	185	88	2	—	0	Instrument under repair.															
Cornwall	256	65	24	—	0	8, 9	17	58	68	25	0	220	36	16	8	14	47	21	8	13	35
10. IRELAND, S.																					
Dublin	49	27	—	—	0	3, 5, 6, 8, 9	13	101	53	1	0	220	26	12	9	11	—	—	—	—	—
Clare	100	40	†	—	0	8, 9	19	96	48	5	0	—	30	13	9	20	43	19	9	19	25
Kerry	98	41	†	—	0	—	22	96	42	8	0	200	29	13	9	17	47	21	8	3	50
Cork	160	30	†	—	0	8, 9	16	112	35	5	0	—	32	14	8	9	48	21	8	9	10
11a. SCILLY ISLES.																					
Scilly	150	32	†	—	—	4, 8	7	123	22	5	11	210	26	12	8	14	36	16	8	13	10

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)	TWENTY-THIRD WEEK of 1923—June 3rd to June 9th, 1923.																		
	Temperature of the Air.										Rainfall.					Sunshine.			
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall			Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.	mm.				
0. SCOTLAND, NORTH ..	62	35	54.3	45.0	49.3	-1.9	51	-16	0	0	5	+2	1.09	28	+16	2.5	-3.1	14	1011
Eastern.																			
1. SCOTLAND, EAST ..	68	32	57.2	43.7	50.0	-2.4	56	-19	0	0	5	+2	0.42	11	+2	2.9	-3.2	17	1011
2. ENGLAND, N.E. ..	70	37	58.5	45.2	51.4	-2.3	66	-16	0	0	4	+1	0.32	8	-3	2.6	-3.5	16	1015
3. ENGLAND, EAST ..	72	31	60.1	44.7	51.9	-4.0	69	-28	0	0	3	0	0.19	5	-8	3.5	-3.2	21	1017
4. MIDLAND COUNTIES	71	34	61.3	45.7	53.0	-2.9	77	-20	0	0	3	0	0.20	5	-9	3.0	-3.1	18	1017
5. ENGLAND, S.E. ..	70	30	59.7	46.3	52.5	-4.4	73	-31	0	0	1	-2	0.06	2	-12	3.7	-3.2	23	1018
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	64	34	56.2	45.5	50.5	-3.6	60	-28	0	0	5	+2	0.76	19	+7	—	—	—	1013
7. ENGLAND, N.W. (and North Wales)	68	36	57.2	47.6	52.1	-2.9	71	-20	0	0	4	+1	0.35	9	-1	3.6	-3.3	21	1017
8. ENGLAND, S.W. (and South Wales)	72	37	59.7	47.8	53.3	-2.8	79	-20	0	0	2	-1	0.17	4	-10	4.2	-2.5	26	1019
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	-5.0	5	1015
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	-3.7	17	—
11. CHANNEL ISLANDS (and Scilly)	63	42	58.9	48.9	53.6	-3.2	81	-22	0	0	1	-2	0.03	1	-12	6.7	-0.7	42	1020
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	-3.4	18	—
THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, June 3rd to June 9th, 1923.																			
0. SCOTLAND, NORTH ..	62	35	54.3	45.0	49.3	-1.9	51	-16	0	0	5	+2	1.09	28	+16	2.5	-3.1	14	1011
Eastern.																			
1. SCOTLAND, EAST ..	68	32	57.2	43.7	50.0	-2.4	56	-19	0	0	5	+2	0.42	11	+2	2.9	-3.2	17	1011
2. ENGLAND, N.E. ..	70	37	58.5	45.2	51.4	-2.3	66	-16	0	0	4	+1	0.32	8	-3	2.6	-3.5	16	1015
3. ENGLAND, EAST ..	72	31	60.1	44.7	51.9	-4.0	69	-28	0	0	3	0	0.19	5	-8	3.5	-3.2	21	1017
4. MIDLAND COUNTIES	71	34	61.3	45.7	53.0	-2.9	77	-20	0	0	3	0	0.20	5	-9	3.0	-3.1	18	1017
5. ENGLAND, S.E. ..	70	30	59.7	46.3	52.5	-4.4	73	-31	0	0	1	-2	0.06	2	-12	3.7	-3.2	23	1018
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	64	34	56.2	45.5	50.5	-3.6	60	-28	0	0	5	+2	0.76	19	+7	—	—	—	1013
7. ENGLAND, N.W. (and North Wales)	68	36	57.2	47.6	52.1	-2.9	71	-20	0	0	4	+1	0.35	9	-1	3.6	-3.3	21	1017
8. ENGLAND, S.W. (and South Wales)	72	37	59.7	47.8	53.3	-2.8	79	-20	0	0	2	-1	0.17	4	-10	4.2	-2.5	26	1019
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	-5.0	5	1015
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.7	-3.7	17	—
11. CHANNEL ISLANDS (and Scilly)	63	42	58.9	48.9	53.6	-3.2	81	-22	0	0	1	-2	0.03	1	-12	6.7	-0.7	42	1020
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.0	-3.4	18	—
THE YEAR. Aggregates, &c., for the Period of 23 Weeks, December 31st, 1922, to June 9th, 1923.																			
0. SCOTLAND, NORTH ..	73	24	47.8	37.7	42.6	+0.8	418	-59	317	-198	104	-3	21.73	553	+11	3.3	0.0	27	1009
Eastern.																			
1. SCOTLAND, EAST ..	76	20	47.6	36.7	42.0	+0.2	413	-135	419	-164	100	+9	13.53	346	+44	2.9	-0.9	24	1010
2. ENGLAND, N.E. ..	73	25	49.1	38.4	43.6	+0.6	550	-67	294	-156	87	+4	10.05	257	+24	3.3	-0.7	27	1012
3. ENGLAND, EAST ..	82	23	50.9	39.4	45.0	+1.2	724	-27	234	-233	85	+4	8.65	217	-12	3.5	-0.8	29	1013
4. MIDLAND COUNTIES	79	22	50.8	38.5	44.5	+0.8	683	-84	280	-214	92	+12	13.08	332	+70	2.9	-0.9	24	1012
5. ENGLAND, S.E. ..	81	22	51.8	40.2	45.9	+0.9	801	-32	183	-174	88	+9	12.72	324	+61	3.5	-0.9	29	1013
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	71	20	49.7	38.3	43.8	+0.3	579	-64	279	-111	99	+2	19.18	485	+16	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)	73	24	50.0	39.9	44.8	+0.8	641	-44	185	-175	97	+11	13.88	353	+24	3.5	-0.4	29	1012
8. ENGLAND, S.W. (and South Wales)	76	24	51.4	41.0	46.0	+0.7	779	-36	133	-151	98	+12	18.24	463	+85	3.6	-0.7	30	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	-0.2	28	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	78	32	53.0	44.4	48.6	+0.9	1070	+53	3	-97	108	+16	16.36	416	+98	4.2	-0.8	35	1014
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A. Supt. Climatology Divn.
15th June, 1923.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 97

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Vol. XL. (New Series) }

TWENTY-FOURTH WEEK.

SUNDAY, JUNE 10TH, TO SATURDAY, JUNE 16TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week barometric pressure was high to the south-westward of the British Isles and low over Scandinavia. The prevailing winds were mainly westerly or north-westerly, while the weather was cool and unsettled, with frequent showers of rain. The highest temperatures occurred during the first half of the week in most parts of the Kingdom and at several places, notably in the eastern and south-eastern parts of England, maximum temperatures of 70°F. or slightly above were recorded; the actual highest readings were 73°F. at Dungeness and in London (Camden Square) on the 13th. On the other hand in some parts of Scotland the highest temperature of the week did not exceed 55°F. The lowest of the screen minimum readings, 27°F., was registered at Balmoral on the morning of the 15th. Ground frosts occurred in several places and in some parts the grass temperatures were decidedly low for the time of year. The mean temperature for the week was again below the normal in all Districts the greatest deficit occurring in the Scottish Districts. The total amount of rainfall for the week was

above the normal in Scotland N. and the Irish Districts but elsewhere it was mainly below normal. Among the largest measurements were 18mm. at Achnashellach (Ross-shire) on the 10th, 20mm. at Ford (Argyll) and 15mm. at Colmonell (Ayr) on the 12th, 31mm. at Mallarany (Mayo) on the 14th and 17mm. at Pembroke (St. Ann's Head) and 16mm. at Arlington (Devon) on the 15th. In most parts of the country the brightest day of the week was the 11th when a large number of stations had considerably more than 13 hours sunshine. Among the largest amounts recorded were 16.1 hours at Harrogate, 15.3 hours at Dumfries, 14.8 hours at Bradford and Ilkley, 14.5 hours at Eskdalemuir and 14.2 hours at Edinburgh. The mean amount of sunshine for the week was above the normal at several places in the northern and eastern parts of the country, but generally below elsewhere. The departure of the mean duration from the normal for the week ranged from +1.6 hours at Scarborough to -3.8 hours at Markree Castle. Solar halos were observed on the 11th, 12th, 13th and 14th at several stations.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM			SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.			
			Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		
				m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s	m.p.h
South	...	...	6	14	6.1	5	8	3.6	9	5	2.4	4	5	2.1	9	10	4.4	1	10	4.6	12	8	3.7	8	7	3.1	
North	...	...	19	13	5.8	15	7	3.0	14	11	5.0	20	6	2.7	11	9	3.8	16	12	5.5	16	8	3.6	18	10	4.3	
West	...	...	24	18	8.0	20	17	7.6	20	10	4.3	24	7	3.3	27	15	6.8	18	13	6.0	28	17	7.6	27	11	4.8	
East	...	...	4	5	2.4	5	4	1.7	2	3	1.5	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	
Calm (or wind- speed < 4 m.p.h.)			0	—	—	2	—	—	5	—	—	2	—	—	0	—	—	—	—	—	0	—	—	1	—	—	
No record			...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	9	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth	..	Very Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	—	Deficient	Deficient
	Rainfall	..	Heavy	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Light	Moderate	—	—	Moderate
	Sunshine	..	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	—	Scanty	Moderate	Very Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 2 weeks from June 3rd, 1923.	Warmth	..	THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.											
			0	1	2	3	4	5	6	7	8	9	10	
			0	1	2	3	4	5	6	7	8	9	10	
	Warmth	..	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	—	—	0, 0, 2
	Rainfall	..	2, 0, 0	0, 2, 0	0, 2, 0	0, 1, 1	0, 0, 2	0, 1, 1	1, 1, 0	0, 1, 1	0, 1, 1	—	—	0, 1, 1
	Sunshine	..	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 0, 2	—	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.								
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.				
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal			
0. SCOTLAND, N.				Ft.		°F.		°F.		°F.		°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	
Shetlands	Lerwick	54	t	55	10th	40	14th	49.9	43.4	46.4	-2.2	5	0.86	22	+12			Lerwick	..	5.9	—	32	—	—	—	—	—
Orkneys	Deerness	160	p	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	..	—	—	—	—	—	—	—	—
Hebrides	Stornoway	51	t	55	12th	34	15th	51.4	43.0	46.9	-4.6	6	0.95	24	+10			Stornoway	..	4.1	-2.5	23	—	—	—	—	—
	Castlebay	37	t	54	11th	44	16th	52.3	47.4	49.7	—	5	0.40	10	—			Castlebay	..	5.3	—	30	—	—	—	—	—
Caithness	Wick	81	t	56	10th	36	15th	51.3	43.1	46.9	-3.9	4	0.30	7	-4					—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	a	60	16th	32	15th	56.0	43.1	49.1	-4.7	4	0.35	9	-2					—	—	—	—	—	—	—	
	Achnashellach	225	a	53	12, 16	32	15th	51.2	43.0	46.8	—	6	1.77	45	—			Achnashellach	..	—	—	—	1	27	—	—	—
Inverness	Inverness	242	a	62	13th	34	15th	55.9	43.0	49.0	—	4	0.22	5	—			Inverness	..	5.9	—	33	—	—	—	—	—
	Fort Augustus	68	a	58	11th	33	15th	55.0	41.6	47.8	-5.4	4	0.68	17	+5					—	—	—	—	—	—	—	
	Onich	—	a	58	10th	36	15th	55.3	44.7	49.6	—	5	1.01	26	—			Onich	..	4.2	—	24	1	29	—	—	—
1. SCOTLAND, E.																											
Nairn	Nairn	82	t	61	12th	32	15th	56.1	44.6	50.0	-3.1	5	0.23	6	-5			Nairn	..	6.0	—	33	—	—	—	—	—
Elgin	Gordon Castle	101	p	60	10th	32	15th	55.9	41.9	48.4	-5.0	5	0.42	11	-1			Gordon Castle	..	5.3	—	30	—	—	—	—	—
Aberdeen	Aberdeen	46	t	64	12th	37	15th	56.3	45.3	50.4	—	5	0.26	7	-3			Aberdeen	..	6.6	+0.2	37	1	25	—	—	—
	Balmoral	930	a	63	12th	27	15th	54.0	39.3	46.1	-5.4	5	0.34	9	-3			Balmoral	..	—	—	2	20	—	—	47.9	-2.3
Perth	Crieff	478	p	62	12th	37	15th	58.0	42.7	49.8	-5.0	4	0.26	7	-9			(Kinc.) Crathes	..	6.9	+0.7	39	2	27	50.3	—	—
Forfar	Dundee	147	a	65	12th	37	15th	59.4	44.0	51.2	—	3	0.21	5	—			Dundee	..	6.4	—	36	0	33	52.6	—	—
Pife	Inchkeith	190	t	60	11th	42	15th	55.1	46.6	50.6	—	3	0.18	5	—			Inchkeith	..	7.8	—	44	0	37	—	—	—
Midlothian	Edinburgh	441	p	61	10th	39	15, 16	56.6	44.0	49.9	-3.1	3	0.30	8	-4			Edinburgh	..	7.1	+0.7	41	0	36	—	—	—
Peebles	West Linton	770	a	57	13, 14	32	15th	54.4	40.1	46.8	-4.5	5	0.50	13	—			West Linton	..	—	—	1	30	—	—	—	—
Berwick	Marchmont	498	a	60	11th	39	15th	56.3	42.6	49.0	-3.8	3	0.34	9	-5			Marchmont	..	7.1	+0.6	41	—	—	—	—	—
2a. SCOTLAND, W.																											
Argyle	Ford	149	a	55	11, 14	40	16th	53.6	45.0	49.0	—	5	1.51	38	—			Ford	..	—	—	—	0	40	51.7	—	49.7
Renfrew	Renfrew	49	t	60	14th	34	15th	56.6	44.9	50.3	—	4	0.36	9	—			Renfrew	..	4.4	—	25	1	27	—	—	—
Bute	Rothsay	200	p	59	10th	40	15th	55.7	44.3	49.6	-5.2	4	0.93	24	+6			Rothsay	..	5.3	—	30	0	35	53.6	—	50.1
Ayr	Kilmarnock	90	a	62	14th	38	15th	58.0	44.4	50.7	-3.4	4	0.48	12	-1			Kilmarnock	..	5.9	—	29	—	—	53.3	—	50.0
	Colmonell	170	a	58	11th	43	16th	54.1	45.7	49.6	-3.9	5	0.80	20	+5			Colmonell	..	—	—	—	0	39	—	—	—
Dumfries	Dumfries	140	p	60	14th	37	15th	56.4	44.9	50.3	-5.5	3	0.22	5	-9			Dumfries	..	5.4	—	32	1	30	53.6	-4.8	50.0
	Eskdalemuir	794	t	60	11, 14	30	15th	54.7	40.7	47.2	—	3	0.50	13	—			Eskdalemuir	..	5.2	—	30	1	25	—	—	-4.5
3. ISLE OF MAN.																											
I. of Man	Douglas	284	a	59	10th	45	12th	55.7	47.6	51.4	-2.9	4	0.45	11	-3			Douglas	..	6.2	-1.7	26	0	40	—	—	—
2. ENGLAND, N.E.																											
Northumberland	Cockle Park	324	p	61	10, 11	41	12, 15	57.0	43.6	49.8	-2.2	3	0.34	9	-3			Cockle Park	..	6.9	+0.3	40	0	34	52.5	-3.4	49.6
	Tynemouth	118	t	62	10th	44	12th	55.3	47.0	50.9	-2.1	3	0.35	9	-1			Tynemouth	..	—	—	—	0	40	—	—	-2.0
Durham	Durham	336	p	62	11th	36	15th	57.4	44.0	50.2	-3.7	3	0.34	9	-1			Durham	..	6.3	-0.4	37	1	26	—	—	—
York	Rounton	249	p	61	10, 11	39	15th	56.4	45.0	50.3	-3.2	5	0.33	8	-3			Rounton	..	—	—	—	2	29	52.1	—	—
N. Riding	West Witton	605	a	61	14th	37	15th	57.4	44.0	50.2	—	2	0.08	2	—			West Witton	..	—	—	—	0	33	52.9	—	47.6
	Scarborough	118	a	65	13th	44	16th	58.7	49.0	53.5	-0.8	3	0.24	6	-4			Scarborough	..	7.6	+1.6	44	—	—	—	52.3	—
	York	56	p	64	10th	44	12th	59.0	48.0	53.1	-3.1	3	0.41	10	-1			York	..	6.3	+0.3	37	—	—	53.9	-3.0	50.7
E. Riding	Spurn Head	26	t	64	10th	45	16th	55.9	49.6	52.5	-2.1	4	0.32	8	0			Spurn Head	..	7.0	—	42	—	—	—	—	—
Lincoln	Lincoln	58	a	66	10th	43	12, 15	60.7	48.0	53.9	-3.0	5	0.62	16	+5			Lincoln	..	—	—	—	0	40	54.0	-4.9	50.5
	Cranwell	237	t	66	10th	41	15th	59.1	47.0	52.6	-3.7	3	0.23	6	-4			Cranwell	..	6.8	+0.1	40	0	37	—	—	-3.3
	Skegness	—	a	—	—	—	—	—	—	—	—	—	—	—	—			Skegness	..	7.6	+0.3	45	—	—	—	—	—
3. ENGLAND, E.																											
Norfolk	Cromer	196	a	68	10th	42	15th	59.4	47.9	53.3	-1.0	3	0.24	6	-4			Cromer	..	6.9	+0.5	41	—	—	—	—	—
	Yarmouth	13	t	68	10th	43	15th	60.9	50.3	55.2	+0.4	4	0.51	13	+2			Yarmouth	..	5.5	—	33	0	36	56.6	-4.3	53.7
	Norwich	93	a	68	10th	43	12, 15	60.1	48.4	53.8	-1.9	4	0.48	12	0			Norwich	..	6.4	—	39	0	37	56.7	—	-2.6
	Geldeston	37	a	68	10th	40	12th	61.5	47.7	54.1	-1.1	2	0.37	9	-2			Geldeston	..	5.7	-1.1	34	—	—	—	—	—
Cambridge	Cambridge	41	p	67	10, 13	39	12th	62.0	td																		

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.	*F.						Hr.	Hr.	%		*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth	16	h	58	11th	49	12th	55.9	51.0	53.3	—	2	0.45	11	—	4.6	-2.2	28	—	—	—	—	—	
Pembroke	St. Ann's Hd.	149	h	58	13th	49	12, 16	55.9	50.3	52.9	-1.9	3	0.79	20	+ 9	6.1	-1.6	37	—	—	—	—	—	
Radnor	Rhayader...	757	a	59	10th	40	12th	56.3	46.6	51.1	—	3	0.38	10	—	5.5	—	33	1	29	—	—	—	
Glamorgan	Cardiff	202	p	66	13th	47	11, 12	60.9	48.7	54.4	-2.3	2	0.40	10	- 5	7.0	—	42	0	41	56.1	-4.0	52.3	-2.8
8b. ENGLAND, S.W.																								
Somerset	Bath	66	h	67	13th	41	12th	62.0	50.0	55.6	-1.5	1	0.01	0.3	-13	5.3	-1.8	32	—	—	57.5	—	54.5	—
Dorset	Shaftesbury	722	a	63	10, 13	43	12th	60.0	46.6	52.8	-2.8	2	0.37	9	-4	—	—	—	—	—	55.4	—	52.5	—
	Portland Bill	19	t	60	11th	51	10, 12, 15	56.6	51.6	53.9	-2.1	1	0.43	11	+2	6.3	—	38	—	—	—	—	—	—
Devon	Arlington	613	a	61	13th	44	12th	57.7	47.8	52.4	-2.6	3	0.91	23	+4	—	—	—	—	—	—	—	—	—
	Cullompton	202	a	65	10, 11, 13	43	12th	63.3	49.3	55.8	-1.1	2	0.50	13	+1	6.2	-0.6	38	0	38	59.0	—	—	—
	Plymouth...	116	p	63	10, 12, 13	49	12, 16	61.1	51.6	56.0	-1.3	1	0.17	4	-8	7.8	+0.3	43	0	43	58.1	-2.8	53.7	—
Cornwall	Newquay	190	h	59	10th	50	12th	56.2	51.7	53.8	-2.1	3	0.35	9	-3	6.6	-1.0	40	—	—	55.7	—	52.9	—
	Falmouth	167	h	62	10, 13	48	15th	60.6	51.1	55.5	-0.9	3	0.13	3	-10	8.6	+0.7	53	0	46	60.4	—	57.3	—
9. IRELAND, N.																								
Donegal	Malin Head	71	t	55	10, 11	45	15th	53.0	47.6	50.1	-3.4	6	0.56	14	+2	4.7	—	27	—	—	—	—	—	—
Mayo	Blackrod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mallary	120	a	60	12th	47	14, 16	57.3	48.4	52.5	—	4	1.72	44	—	3.7	—	22	0	44	—	—	—	—
Sligo	Markree Castle	122	p	60	10th	45	15th	57.0	47.6	52.0	-2.3	6	1.19	30	+14	2.1	-3.8	13	0	42	55.0	-3.5	51.2	-2.0
Armagh	Armagh	204	p	63	11th	45	11th	59.6	47.4	53.1	-1.9	4	0.54	14	-0	3.5	-2.5	20	0	43	54.6	-2.9	51.5	-2.0
Down	Donaghadee	35	t	61	10th	47	12, 14, 15	57.3	49.0	52.9	-1.3	4	0.31	8	-5	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																								
Dublin	Dublin City	54	p	64	11th	49	13th	60.6	50.9	55.4	-1.7	5	0.59	15	+6	—	—	—	—	—	—	—	—	—
King's County	Birr Castle	175	t	61	11, 13, 14	47	11th	59.4	49.1	53.9	-1.8	5	0.62	16	+5	5.0	-1.6	29	0	44	—	—	—	—
Kilkenny	Kilkenny	195	a	64	13th	46	11th	61.4	48.7	54.6	-1.3	4	0.46	12	+1	—	—	—	—	—	—	—	—	—
Waterford	Waterford	137	a	64	10, 13, 15	49	11, 12, 16	62.6	50.3	56.0	-0.4	3	0.34	9	-3	4.1	-1.6	25	0	42	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	64	11th	45	11, 12	61.0	47.6	53.8	—	3	0.44	11	—	—	—	—	—	—	—	—	—	—
Limerick	Foynes	50	a	60	10, 12, 14	49	16th	58.7	50.6	54.4	-1.9	3	0.96	24	+12	—	—	—	—	—	—	—	—	—
Kerry	Cahiriveen (Val.O.)	30	t	57	10, 12, 14	49	16th	56.4	51.4	53.7	-2.2	3	0.42	11	-4	4.5	-2.1	27	0	43	—	—	—	—
	Killarney	174	a	65	13, 14	47	12, 16	61.4	50.5	55.6	-0.7	4	0.52	13	-0	—	—	—	—	—	—	—	—	—
Cork	Roche's Point	32	t	65	12th	47	13th	61.9	50.1	55.6	-0.5	—	—	—	—	5.7	-0.9	34	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																								
Scilly	St. Mary's	131	t	60	10th	49	12, 15, 16	58.4	50.0	53.9	-2.4	3	0.13	3	-5	5.9	-2.1	36	—	—	—	—	—	—
Guernsey	Grange	173	p	63	12th	50	12, 15	60.7	51.3	55.7	-1.8	2	0.29	7	-1	8.2	-0.2	51	0	45	60.0	-0.9	56.0	-1.3
Jersey	St. Aubins	25	t	63	12th	47	15th	60.4	51.7	55.8	-2.1	1	0.51	13	+3	6.4	-1.9	39	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 16th, 1923.

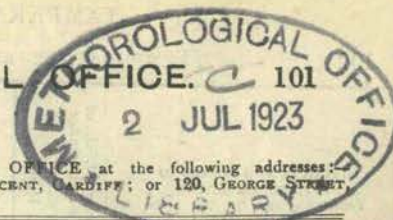
DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ‡								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.			
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d. hr.	m.p.h.	m/s.	d. h. m.	
Shetlands Lerwick ...	310	42	†	11	1	10, 11, 13, 14, 16	63	74	30	0	0	350	39	17	11 6	54	24	13 16 40	
Orkneys **Deerness (Cup Anr.)	188	16	5	10	2	9 to 14	84	45	35	2	0	260	45	20	10 16	—	—	— — —	
1. SCOTLAND, E.																			
Aberdeen Aberdeen ...	72	42	†	—	0	10, 11, 13	26	80	55	7	0	220	29	13	10 11	53	23	13 7 0	
Edinburgh Edinburgh ...	485	39	31	—	0	10, 12, 13	27	78	47	16	0	250	35	16	10 11	60	27	10 16 25	
6a. SCOTLAND, W.																			
Renfrew Paisley ...	188	81	15	—	0	10	4	80	72	12	0	260	27	12	10 15	56	25	10 14 40	
Dumfries Eskdalemuir ...	825	50	22	10	3	10 to 13	30	76	45	14	0	250	40	18	10 17	63	28	10 15 20	
2. ENGLAND, N.E.																			
Durham South Shields...	72	61	12	—	0	10 to 13	24	79	51	14	0	280	38	17	10 15	62	28	10 15 20	
York, E.R. Spurn Head ...	67	41	†	—	0	10 to 16	61	69	30	8	0	280	37	17	13 7	52	23	13 10 55	
Lincoln Cranwell ...	280	43	31	—	0	10, 13	9	96	(54)	(9)	0	280	31	14	13 12	39	17	13 12 50	
3. ENGLAND, E.																			
Norfolk Gorleston ...	52	42	†	—	0	14, 16	6	70	72	20	0	10	29	13	16 7	42	19	14 7 55	
Essex Shoeburyness...	103	90	†	—	0	10, 13	2	99	66	1	0	340	25	11	13 17	40	18	13 11 25	
5. ENGLAND, S.E.																			
Surrey Richmond																			
(Kew Obs.)...	82	65	22	—	0	—	0	16	129	23	0	210	17	7	10 8	30	13	10 17 0	
Kent Lympne ...	409	70	†	—	0	16	1	100	67	0	0	20	25	11	16 10	35	16	13 17 45	
Surrey Croydon ...	284	40	24	—	0	—	0	41	118	9	0	260	18	8	10 15	33	15	10 13 40	
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	66	96	6	0	340	20	9	16 9	34	15	13 15 50	
Sussex Brighton ...	261	53	6	—	0	—	0	57	111	0	0	—	19	9	13 17	30	13	16 8 20	
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	10, 13	3	122	43	0	0	290	26	12	13 15	46	21	14 2 15	
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	10, 12, 13, 14, 16	40	110	(18)	(0)	0	290	36	16	13 9	43	19	12 18 25	
7a. ENGLAND, N.W.																			
Lancashire Fleetwood																			
(Cup Anr.)...	109	44	—	13	4	10 to 16	72	67	22	3	0	280	48	22	13 18	—	—	— — —	
Lancashire Southport ...	80	62	48	13	3	10 to 16	86	59	20	0	0	310	47	21	13 19	57	25	13 19 10	
7b. NORTH WALES.																			
Anglesey Holyhead ...	64	45	†	—	0	10, 11, 13, 14, 16	30	91	37	10	0	260	30	13	13 5	46	21	10 17 25	
8b. ENGLAND, S.W.																			
Devon Plymouth	185	88	2	—	0	Under repair.													
Cornwall Pendennis Castle...	256	65	24	—	0	—	0	86	80	1	1	290	22	10	15 15	36	16	15 15 5	
10. IRELAND, S.																			
Dublin Kingstown																			
(Cup Anr.)...	49	27	—	—	0	10 to 13, 16	49	92	23	4	0	240	36	16	12 11	—	—	— — —	
Clare Quilty ...	100	40	†	—	0	10, 12, 13, 15	18	133	14	3	0	—	29	13	10 4	40	18	10 3 25	
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	10	2	109	56	1	0	230	25	11	10 1	40	18	10 0 40	
Cork Weaver Pt. ...	160	30	†	—	0	—	0	117	46	5	0	—	24	11	15 22	43	19	13 10 40	
11a. SCILLY ISLES.																			
Scilly St. Mary's	150	32	†	—	—	10 to 13, 15, 16	50	110	8	0	0	290	35	16	15 16	42	19	15 15 10	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		TWENTY-FOURTH WEEK of 1923—June 10th to June 16th, 1923.																			
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration			
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal								Below 42°		Deviation from Normal
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.	
0. SCOTLAND, NORTH ..		60	32	52.9	43.1	47.6	- 4.3	39	- 32	0	- 1	5	+ 1	0.85	21	+ 5	5.0	- 0.7	28	1013	
Eastern.																					
1. SCOTLAND, EAST ..		64	27	55.8	42.9	48.9	- 4.3	48	- 31	0	- 1	4	+ 1	0.32	8	- 5	6.7	+ 0.4	38	1015	
2. ENGLAND, N.E. ..		66	36	57.7	46.8	51.9	- 2.5	69	- 17	0	0	4	+ 1	0.35	9	- 1	6.9	+ 0.5	41	1018	
3. ENGLAND, EAST ..		71	39	61.2	48.8	54.5	- 1.2	87	- 9	0	0	3	0	0.35	9	- 3	5.7	- 1.1	34	1019	
4. MIDLAND COUNTIES ..		68	39	60.3	48.1	53.8	- 2.0	83	- 14	0	0	2	- 1	0.22	6	- 4	5.3	- 1.1	31	1020	
5. ENGLAND, S.E. ..		73	35	62.2	49.0	55.1	- 1.6	92	- 11	0	0	2	- 1	0.26	7	- 3	5.5	- 1.7	33	1021	
Western.																					
6. SCOTLAND, WEST (and Isle of Man) ..		62	34	55.7	45.3	50.1	- 4.5	57	- 32	0	0	4	+ 1	0.68	17	0	—	—	—	1017	
7. ENGLAND, N.W. (and North Wales) ..		63	38	56.0	48.4	51.9	- 3.6	69	- 25	0	0	3	0	0.23	6	- 6	5.3	- 1.8	31	1021	
8. ENGLAND, S.W. (and South Wales) ..		67	40	59.4	49.4	54.0	- 2.1	84	- 15	0	0	2	- 1	0.41	10	- 4	6.3	- 0.9	38	1023	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	- 3.1	16	1021	
10. IRELAND, SOUTH ..		65	46	60.3	50.2	54.9	- 1.3	90	- 10	0	0	—	—	—	—	—	4.8	- 1.4	29	1025	
11. CHANNEL ISLANDS (and Scilly) ..		63	47	59.8	51.0	55.1	- 2.0	92	- 14	0	0	2	- 1	0.31	8	0	6.8	- 1.4	42	1025	
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.5	- 1.1	32	1020	
THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Weeks, June 3rd to June 16th, 1923.																					
0. SCOTLAND, NORTH ..		62	32	53.6	44.1	48.5	- 3.0	90	- 48	0	- 1	10	+ 3	1.94	49	+ 21	3.7	- 1.9	21	1012	
Eastern.																					
1. SCOTLAND, EAST ..		68	27	56.5	43.3	49.5	- 3.3	104	- 50	0	- 1	9	+ 3	0.74	19	- 3	4.8	- 1.4	27	1013	
2. ENGLAND, N.E. ..		70	36	58.1	46.0	51.7	- 2.4	135	- 33	0	0	8	+ 2	0.67	17	- 4	4.8	- 1.5	28	1017	
3. ENGLAND, EAST ..		72	31	60.7	46.7	53.2	- 2.6	156	- 37	0	0	6	0	0.54	14	- 11	4.6	- 2.1	28	1018	
4. MIDLAND COUNTIES ..		71	34	60.8	46.9	53.4	- 2.5	160	- 34	0	0	5	- 1	0.42	11	- 13	4.1	- 2.1	25	1019	
5. ENGLAND, S.E. ..		73	30	60.9	47.7	53.8	- 3.0	165	- 42	0	0	3	- 3	0.32	9	- 15	4.6	- 2.4	28	1019	
Western.																					
6. SCOTLAND, WEST (and Isle of Man) ..		64	34	55.9	45.4	50.3	- 4.0	117	- 60	0	0	9	+ 3	1.44	36	+ 7	—	—	—	1015	
7. ENGLAND, N.W. (and North Wales) ..		68	36	56.6	48.0	52.0	- 3.3	140	- 45	0	0	7	+ 1	0.58	15	- 7	4.4	- 2.6	26	1019	
8. ENGLAND, S.W. (and South Wales) ..		72	37	59.5	48.6	53.7	- 2.4	163	- 35	0	0	4	- 2	0.58	14	- 14	5.3	- 1.7	32	1021	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.9	- 4.0	11	1018	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.8	- 2.5	23	—	
11. CHANNEL ISLANDS (and Scilly) ..		63	42	59.3	49.9	54.3	- 2.6	173	- 36	0	0	3	- 3	0.34	9	- 12	6.8	- 1.0	42	1023	
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.3	- 2.3	25	—	
THE YEAR. Aggregates, &c., for the Period of 24 Weeks, December 31st, 1922, to June 16th, 1923.																					
0. SCOTLAND, NORTH ..		73	24	48.0	37.9	42.8	+ 0.6	457	- 91	317	- 199	109	- 2	22.58	574	+ 16	3.4	0.0	27	1009	
Eastern.																					
1. SCOTLAND, EAST ..		76	20	47.9	36.9	42.2	- 0.1	461	- 166	419	- 165	104	+ 10	13.85	354	+ 39	3.1	- 0.8	25	1010	
2. ENGLAND, N.E. ..		73	25	49.4	38.8	43.9	+ 0.4	619	- 84	294	- 156	91	+ 5	10.40	266	+ 23	3.5	- 0.6	28	1012	
3. ENGLAND, EAST ..		82	23	51.4	39.8	45.4	+ 1.1	811	- 36	234	- 233	88	+ 4	9.00	226	- 15	3.6	- 0.8	29	1013	
4. MIDLAND COUNTIES ..		79	22	51.2	38.9	44.9	+ 0.7	766	- 98	280	- 214	94	+ 11	13.30	338	+ 66	3.0	- 0.9	24	1013	
5. ENGLAND, S.E. ..		81	22	52.2	40.6	46.2	+ 0.7	893	- 43	183	- 174	90	+ 8	12.98	331	+ 58	3.6	- 0.9	29	1013	
Western.																					
6. SCOTLAND, WEST (and Isle of Man) ..		71	20	50.0	38.6	44.1	+ 0.1	636	- 96	279	- 111	103	+ 3	19.86	502	+ 16	—	—	—	1011	
7. ENGLAND, N.W. (and North Wales) ..		73	24	50.3	40.3	45.1	+ 0.6	710	- 69	185	- 175	100	+ 11	14.11	359	+ 18	3.6	- 0.5	29	1012	
8. ENGLAND, S.W. (and South Wales) ..		76	24	51.7	41.3	46.3	+ 0.5	863	- 51	133	- 151	100	+ 11	18.65	473	+ 81	3.7	- 0.7	30	1013	
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	- 0.4	28	1011	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly) ..		78	32	53.3	44.7	48.9	+ 0.8	1162	+ 39	3	- 97	110	+ 15	16.67	424	+ 98	4.3	- 0.8	35	1014	
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.	

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:
 IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 25.
 Vol. XL. (New Series)

TWENTY-FIFTH WEEK.

SUNDAY, JUNE 17TH, TO SATURDAY, JUNE 23RD, 1923.

Price 9d. Net, Post free 9½d.

Annual Subscription
 (including Postage), 22 Os. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Isles the weather during the greater part of the week was dull and unsettled. There were one or two rather heavy falls of rain in Scotland, but in most other parts the measurements were small, in fact, in some places the week was rainless. Towards the close of the week, however, there was a temporary improvement and the weather in most parts of the country was of a more seasonable character. In some parts of Scotland the highest temperatures of the week occurred on the 18th, but in nearly all other parts of our Islands the 23rd was the warmest day, when maximum temperatures above 75°F. were recorded in several places, notably in the eastern and south-eastern parts of England, the actual highest reading, 80°F., being registered in London (Camden Square). The lowest screen minimum temperature was recorded at Eskdalemuir on the 17th, when a reading of 29°F. was obtained. Ground frost occurred in places and at one or two stations the grass temperatures were again decidedly low for the time of year. The mean temperature for the week was below the normal in all Districts with the exception

of Ireland S. where it was equal to the normal. The sunniest day of the week over the country generally was the 23rd, and in many places sunshine records of between 13 and 15 hours were registered. Among the largest amounts were 15.1 hours at Weymouth, 14.6 hours at Guernsey, 14.5 hours at Torquay, 14.4 hours in London (Westminster), 14.3 hours at Jersey, Richmond (Kew Observatory) and Shobernness and about 14 hours at Clacton, Eastbourne and Worthing. The mean amount of sunshine for the week was slightly above the normal in some places in the south-west of England, but in most other parts of the country it was below normal. The departure of the mean duration from the normal for the week ranged from +1.2 hours at Plymouth to -3.8 hours at Deerness (Orkney). Solar halos were observed at Birmingham and Dublin on the 17th, at St. Leonards on the 21st, at Ross-on-Wye on the 17th and 20th and at Oxford on the 17th and 22nd. A lunar halo was witnessed at Oxford on the 21st. A sun pillar was seen at Lincoln on the 17th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahirciveen.			
	Fre. quency.		Mean Value.		Fre. quency.		Mean Value.		Fre. quency.		Mean Value.		Fre. quency.		Mean Value.		Fre. quency.		Mean Value.		Fre. quency.		Mean Value.		Fre. quency.		Mean Value.		Fre. quency.		Mean Value.	
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	5	9	4.1	0	—	—	6	7	3.2	4	2	0.9	6	6	2.6	—	—	—	—	—	—	—	—	—	7	4	1.7	0	—	—	—	—
North ...	21	9	3.8	12	7	3.2	15	9	3.9	15	5	2.4	18	7	3.3	—	—	—	—	—	—	—	—	—	14	8	3.7	2	6	2.9	—	—
West ...	24	15	6.6	26	17	7.4	21	6	2.9	19	5	2.4	28	11	4.9	—	—	—	—	—	—	—	—	—	23	16	7.1	24	5	2.4	—	—
East ...	1	5	2.4	0	—	—	2	4	1.7	0	—	—	0	—	—	—	—	—	—	—	—	—	—	—	1	5	2.3	2	1	0.4	—	—
Calm (or wind-speed < 4 m.p.h.)	0	—	—	1	—	—	4	—	—	9	—	—	0	—	—	—	—	—	—	—	—	—	—	—	0	—	—	1	—	—	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	—	—	—	—	—	—	4	—	—	0	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.		EASTERN SECTION.						WESTERN SECTION					
		Extreme N.		1.		2.		3.		4.		5.	
		0.	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England N.W. (and N. Wales)	England S.W. (and S. Wales).	Ireland, N.	Ireland, S.
Comparison with the normal for the time of year ..	Warmth	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	—	Moderate
	Rainfall	Moderate	Light	Very Light	Light	Very Light	Light	Moderate	Very Light	Light	—	Light	Light
	Sunshine	Very Scanty	Scanty	Moderate	Scanty	Scanty	Scanty	—	Scanty	Moderate	Very Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 3 weeks from June 3rd, 1923.	Warmth	0, 0, 3		0, 1, 2		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3	
		2, 1, 0		0, 2, 1		0, 2, 1		0, 1, 2		0, 0, 3		0, 1, 2		1, 2, 0		0, 1, 2		0, 1, 2		—		0, 1, 2		—		0, 1, 2		0, 1, 2		0, 1, 2	
		0, 1, 2		0, 1, 2		0, 2, 1		0, 1, 2		0, 1, 2		0, 0, 3		—		0, 0, 3		0, 2, 1		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 0, 3		0, 1, 2	

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

102 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.						
			Highest	Date	Lowest	Date	Mean for the Week			No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean								Deviation from Normal	Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																							
Shetlands	Lerwick	54	55	23rd	39	17th	52.4	44.6	48.2	-1.8	7	0.41	10	3	Lerwick	3.1	16	—	—	—	—	—	
Orkneys	Deerness	160	58	19th	43	17, 18, 20	53.9	45.0	49.1	-2.0	7	0.69	18	4	Deerness	1.1	6	—	—	—	—		
Hebrides	Stornoway	51	59	23rd	39	17th	55.0	46.0	50.2	-2.6	7	0.86	22	5	Stornoway	2.4	13	—	—	—	—		
	Castellbay	27	54	18, 21, 22	45	17th	53.0	49.0	50.9	—	5	0.23	6	—	Castellbay	0.8	5	—	—	—	—		
Caithness	Wick	81	60	18, 23	42	17th	55.3	47.1	50.9	-1.2	5	0.48	12	2									
Ross and Cromarty	Strathpeffer	125	69	18th	39	17th	61.5	47.6	54.1	-0.9	5	0.27	7	—									
	Achnashellach	225	56	19, 20, 23	36	17th	54.4	46.0	49.9	—	7	2.51	64	—	Achnashellach	—	1	30	—	—	—		
Inverness	Inverness	242	68	18th	41	17th	61.4	46.6	49.5	—	3	0.11	3	—	Inverness	3.3	18	0	39	—	—		
	Fort Augustus	68	65	18th	36	17th	60.1	47.0	53.1	-1.3	1	0.16	4	-11									
	Onich	—	61	18, 19	40	17th	59.3	47.0	52.7	—	6	0.89	23	—	Onich	2.1	12	0	32	—	—		
1. SCOTLAND, E.																							
Nairn	Nairn	82	73	18th	41	15th	62.4	49.3	55.4	+1.1	3	0.16	4	-9	Nairn	3.6	20	—	—	—	—		
Elgin	Gordon Castle	101	73	18th	42	17th	61.3	48.9	54.7	+0.1	3	0.30	8	-8	Gordon Castle	2.9	16	—	—	—	—		
Aberdeen	Aberdeen	46	73	23rd	43	17th	62.7	49.6	55.7	—	3	0.06	1	-12	Aberdeen	2.0	16	0	38	—	—		
	Balmoral	930	74	18th	38	17th	62.3	45.9	53.5	+0.9	3	0.05	1	-14	Balmoral	—	0	32	—	—	48.6		
	Crieff	478	74	18th	38	17th	64.0	47.0	54.9	-1.1	1	0.02	1	-18	(Kinc.) Crathes	3.5	20	0	35	52.4	—		
Perth	Dundee	147	76	18th	41	17th	67.3	48.4	57.2	—	2	0.10	3	—	Dundee	5.0	28	0	35	53.6	—		
Pife	Inchkeith	190	67	18th	43	17th	59.9	48.1	53.6	—	3	0.06	1	—	Inchkeith	6.8	39	0	36	—	—		
Midlothian	Edinburgh	441	70	18th	40	17th	62.4	47.1	54.2	0.0	2	0.06	2	-12	Edinburgh	6.1	35	0	37	—	—		
Peebles	West Linton	770	65	23rd	32	17th	60.0	43.4	51.1	-1.4	2	0.10	3	—	West Linton	—	1	27	—	—	—		
Berwick	Marchmont	498	69	23rd	41	17th	62.9	47.1	54.5	+0.4	2	0.17	4	-13	Marchmont	4.7	27	—	—	—	—		
2a. SCOTLAND, W.																							
Argyle	Ford	140	58	21, 22	36	17th	56.3	46.6	51.1	—	5	1.68	43	—	Ford	—	0	33	53.6	—	50.5		
Renfrew	Renfrew	49	66	18th	31	17th	60.9	46.0	52.9	—	1	0.04	1	—	Renfrew	3.1	18	2	25	—	—		
Bute	Rothsay	200	60	21, 23	41	17th	57.4	45.7	51.1	-4.6	6	0.74	19	-5	Rothsay	3.0	17	0	38	54.3	—		
Ayr	Kilmarnock	90	65	23rd	34	17th	62.1	46.0	53.5	-1.5	4	0.18	5	-12	Kilmarnock	3.8	22	—	—	53.9	—		
	Colmonell	170	65	23rd	39	17th	57.4	47.9	52.3	-2.1	3	0.40	10	-9	Colmonell	—	0	34	—	—	-2.0		
Dumfries	Dumfries	140	69	18, 23	37	17th	62.9	47.3	54.6	-2.1	2	0.15	4	-15	Dumfries	5.4	31	1	29	54.0	-4.7		
	Eskdalemuir	794	69	18th	29	17th	62.0	43.6	52.2	—	2	0.05	1	—	Eskdalemuir	5.6	32	1	23	—	50.6		
3b. ISLE OF MAN.																							
I. of Man	Douglas	284	68	23rd	44	17th	60.3	49.0	54.3	-0.9	3	0.17	4	-15	Douglas	6.5	28	0	40	—	—		
2. ENGLAND, N.E.																							
Northumb-land	Cockle Park	324	73	23rd	37	17th	63.9	45.0	53.8	+0.1	2	0.07	2	-14	Cockle Park	5.1	30	0	31	52.7	-3.6		
	Tynemouth	118	74	23rd	41	17th	60.4	48.9	54.3	-0.4	3	0.06	1	-13	Tynemouth	—	0	37	—	—	50.0		
Durham	Durham	336	74	23rd	36	17th	61.7	46.6	53.6	-2.1	2	0.09	2	-12	Durham	4.7	27	1	30	—	-2.9		
York	Rounton	240	74	23rd	36	17th	61.7	46.7	53.4	-1.8	3	0.04	1	-15	Rounton	—	1	29	53.1	—	—		
N. Riding	West Witton	605	71	23rd	39	17th	61.1	48.6	54.4	—	2	0.07	2	—	West Witton	—	0	35	52.8	—	—		
	Scarborough	118	78	23rd	43	17th	64.3	50.0	56.7	+0.6	0	0.00	6	-13	Scarborough	5.4	32	—	—	—	48.5		
	York	56	73	23rd	39	17th	62.9	49.3	55.6	-2.3	2	0.03	1	-14	York	4.7	27	—	—	54.2	-3.4		
E. Riding	Spurn Head	26	67	23rd	43	17th	58.1	49.6	53.6	-2.9	1	0.03	1	-10	Spurn Head	5.4	32	—	—	—	—		
Lincoln	Lincoln	58	73	23rd	41	17th	62.9	48.6	55.3	-3.2	3	0.05	1	-13	Lincoln	—	0	39	53.6	-5.9	51.3		
	Cranwell	237	71	23rd	39	17th	61.6	46.9	53.7	-4.3	3	0.03	1	-13	Cranwell	5.0	30	0	35	—	-3.4		
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	6.2	37	—	—	—	—		
3. ENGLAND, E.																							
Norfolk	Cromer	196	75	23rd	40	18th	62.9	47.4	54.6	-2.1	1	0.02	0.4	-9	Cromer	6.4	38	—	—	—	—		
	Yarmouth	13	75	23rd	40	18th	62.3	47.0	54.1	-3.1	1	0.06	1	-9	Yarmouth	4.7	28	0	34	55.4	-6.3		
	Norwich	93	75	23rd	38	18th	63.6	46.7	54.6	-3.5	2	0.03	1	-10	Norwich	5.3	32	0	34	56.5	—		
	Gedleston	37	78	23rd	39	21st	63.1	48.4	55.2	-2.4	2	0.02	1	-9	Gedleston	4.4	26	—	—	—	-2.6		
Cambridge	Cambridge	41	76	23rd	37	18th	63.7	45.7	54.1	-4.7	2	0.08	2	-10	Cambridge	4.8	29	0	32	54.9	-6.0		
Hertford	Rothamsted	420	72	23rd	39	18th	61.4	47.1	53.8	-3.9	1	0.09	2	-10	Rothamsted	4.9	29	1	29	53.5	—		
Middlesex	Tottenham	51	76	23rd	43	18th	63.1	50.3	56.3	—	2	0.10	3	—	Tottenham	5.0	30	—	—	—	-3.7		
Essex	Clacton-on-Sea	54	78	23rd	40	17, 18	64.3	46.9	55.0	-2.8	3	0.24	6	-3	Clacton-on-Sea	6.4	38	0	32	54.7	-5.1		
	Southend	90	79	23rd	44	17th	66.3	48.3	56.7	—	1	0.03	1	—	Southend	5.8	35	0	43	56.8	—		
4. MIDLAND COUNTIES.																							
York	Harrogate	479	69	23rd	37	17th	60.3	46.7	53.0	-2.5	4	0.09	2	-14	Harrogate	5.6	33	0	32	52.7	-2.8		
W. Riding	Sheffield	429	68	23rd	41	17th	60.4	49.4	54.5	—	3	0.09	2	-13	Sheffield	5.3	31	0	36	53.4	-3.6		
Derby	Buxton	987	63	23rd	35	17th	56.1	44.7	50.0	-4.3	4	0.18	5	-16	Buxton	3.7	22	0	35	51.5	-5.6		
Nottingham	Worksop(HodsckP)	56	74	23rd	38	17th	65.1	48.9	56.4	-0.8	4	0.08	2	-11	Worksop	4.5	27	1	29	55.3	—		
	Nottingham	82	70	23rd	43	17th	61.6	49.9	55.3	-2.4	1	0.04	1	-11	Nottingham	4.2	25	0	38	53.6	-5.7		
Warwick	Birmingham(Edg.)	525	70	23rd	43	17th	61.1	48.6	54.4	-3.1	2	0.13	3	-12	Birmingham	2.9	17	0	36	51.3	-2.8		
Northampton	Raunds	213	74	23rd	39	18th	63.7	48.6	55.6	-2.5	1	0.06	2	-11	Raunds	5.1	30	0	37	55.5	—		
Oxford	Oxford	208	75	23rd	44	17, 21	64.0	48.3	55.6	-2.9	3	0.13	3	-11	Oxford	5.1	30	0	34	—	—		
Stafford	Cheadle	646	68	23rd	39	17th	59.3	47.0	52.7	-3.4	3	0.05	1	-16	Cheadle	—	0	35	—	—	—		
Worcester	Tenbury	313	76	23rd	40	17th	66.0	46.7	55.7	-1.4	1	0.01	0.3	-13	Tenbury	—	0	33	56.6	—	—		
	Malvern	377	73	23rd	45	17th	63.0	50.0	56.1	—	2	0.04	1	—	Malvern	6.6	40	0	41	55.8	—		
Hereford	Hereford	291	76	23rd	41	17th	65.4	47.4	55.8	-2.1	1	0.01	0.3	-13	Ross on Wye	6.4	38	0	35	58.1	—		
Gloucester	Clifton	225	72	23rd	46	17th	65.7	50.7	57.7	-1.9	3	0.06	2	-14	Clifton	6.7	40	0	45	—	—		
5. ENGLAND, S.E.																							
London	Westminster	27	77	23rd	45	18th	65.7	49.9	57.3	-2.4	2	0.06											

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature								
			Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.																									
Cardigan	16	h	61	23rd	44	17th	58.0	51.0	54.3	—	4	0.27	7	—	Aberystwyth	5.3	- 0.5	32	—	—	—	—	—	—	—
Pembroke	149	t	61	18, 23	47	17th	58.3	50.4	54.1	- 1.7	2	0.16	4	- 8	St. Ann's Hd.	6.9	+ 0.3	42	—	—	—	—	—	—	—
Radnor	757	a	65	23rd	36	17th	59.6	47.3	53.0	—	3	0.06	2	—	Rhayader	6.0	—	35	1	26	—	—	—	—	—
Glamorgan	202	p	70	23rd	45	17th	64.7	49.6	56.6	- 1.1	0	0.00	0	- 16	Cardiff	8.3	—	50	0	38	56.9	- 3.5	53.1	- 2.8	
8b. ENGLAND, S.W.																									
Somerset	66	h	74	23rd	44	21st	65.0	50.3	57.1	- 1.0	2	0.02	1	- 13	Bath	6.6	+ 0.4	40	—	—	57.6	—	55.1	—	
Dorset	722	a	72	23rd	42	17th	62.3	46.7	54.0	- 2.7	1	0.03	1	- 13	Shaftesbury	—	—	—	—	—	56.3	—	53.1	—	
Devon	19	t	71	23rd	50	17, 20	62.0	52.4	56.9	- 0.1	1	0.04	1	- 8	Weymouth	7.8	—	48	—	—	—	—	—	—	
Devon	613	a	67	23rd	44	21st	61.6	49.0	54.9	- 1.1	3	0.07	2	- 18	Cullompton	6.8	+ 0.9	41	0	38	59.8	—	—	—	
Devon	202	a	76	23rd	45	18, 21	67.6	49.3	57.8	- 0.1	0	0.00	0	- 13	Plymouth	7.7	+ 1.2	47	0	42	60.3	- 0.8	54.8	—	
Cornwall	116	p	71	23rd	47	18th	64.4	50.7	57.1	- 1.2	2	0.03	1	- 12	Newquay	7.6	+ 1.1	46	—	—	56.4	—	53.4	—	
Cornwall	190	h	62	23rd	50	18, 21	57.8	52.0	54.7	- 2.2	2	0.13	3	- 9	Falmouth	7.5	+ 0.7	46	0	41	60.3	—	58.0	—	
Cornwall	167	h	67	23rd	46	18th	61.9	51.3	56.2	- 1.2	1	0.05	1	- 13	—	—	—	—	—	—	—	—	—	—	
9. IRELAND, N.																									
Donegal	71	t	55	21, 22, 23	46	17th	54.1	49.1	51.4	- 3.1	5	0.27	7	- 9	Malin Head	0.9	—	5	—	—	—	—	—	—	—
Mayo	10	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mallanra	120	a	62	22nd	47	17th	59.4	50.1	54.4	—	1	0.12	3	—	Mallanra	3.2	—	19	—	—	—	—	—	—	—
Sligo	122	p	67	23rd	46	17, 20	59.7	49.6	54.3	- 1.0	2	0.30	8	- 14	Markree Castle	1.9	- 3.3	11	0	43	56.6	- 2.1	52.0	- 1.8	
Armagh	204	p	70	23rd	39	17th	63.1	48.4	55.2	- 0.8	2	0.21	5	- 13	Armagh	3.2	- 2.2	18	0	31	56.5	- 1.4	52.3	- 1.8	
Down	35	t	72	23rd	43	17th	60.9	50.1	55.1	- 0.2	1	0.09	2	- 15	Trinity Coll.	—	—	—	0	39	56.7	- 2.1	53.1	- 2.0	
10. IRELAND, S.																									
Dublin	54	p	69	23rd	45	17th	64.9	51.6	57.8	- 0.1	1	0.32	8	- 8	Phoenix Park	4.8	- 1.1	28	0	35	—	—	—	—	
King's County	175	t	69	23rd	47	17th	64.6	50.6	57.1	+ 0.6	1	0.04	1	- 18	Dublin City	—	—	—	0	41	—	—	—	—	
Kilkenny	195	a	69	18, 23	48	17th	66.0	51.1	58.0	+ 1.2	1	0.04	1	- 19	Birr Castle	5.4	+ 0.3	32	0	45	—	—	—	—	
Waterford	187	a	69	23rd	49	17, 20	66.3	51.4	58.3	+ 1.1	0	0.00	0.1	- 21	Seskin	6.7	—	40	0	43	—	—	—	—	
Waterford	542	p	72	23rd	47	17, 20	65.1	49.3	56.7	—	2	0.02	1	—	—	—	—	—	—	—	—	—	—	—	
Limerick	50	a	62	20th	48	20th	59.9	51.1	55.2	- 1.9	4	0.09	2	- 19	Cahiriveen	3.4	- 2.4	20	0	46	—	—	—	—	
Kerry	30	t	60	22, 23	49	17th	58.0	52.1	54.8	- 1.9	1	0.04	1	- 25	(Valencia O.)	—	—	—	—	—	—	—	—	—	
Cork	174	a	66	18th	48	17th	64.1	51.3	57.3	+ 0.2	2	0.03	1	- 22	Ballinacurra	6.5	+ 0.5	39	—	—	—	—	—	—	
Cork	32	t	66	21st	49	20th	64.0	52.3	57.7	+ 0.8	1	0.02	1	- 20	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																									
Scilly	131	t	63	23rd	49	18th	59.1	51.1	54.8	- 2.7	1	0.08	2	- 9	St. Mary's	6.0	- 1.1	37	—	—	—	—	—	—	—
Guernsey	173	p	67	23rd	50	18th	62.4	51.9	56.8	- 1.9	2	0.04	1	- 11	Grange	8.6	+ 1.0	53	0	46	60.6	- 0.8	57.0	- 1.0	
Jersey	25	t	68	23rd	49	18th	62.1	52.0	56.7	- 2.4	1	0.01	0.2	- 13	St. Heliers	7.4	- 0.1	45	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 23rd, 1923.

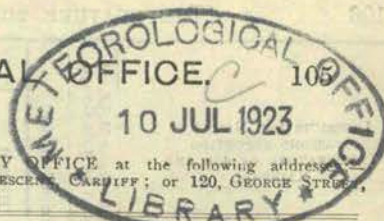
DISTRICT COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.										
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.						
				Dates of Occurrence	Duration.	Dates of Occurrence	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	†	—	0	18 to 23	57	94	17	0	0	240	32	14	18	12	45	20	18	11	55	
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	18, 19, 21, 22	25	101	41	1	0	270	31	14	21	11	—	—	—	—	—	
1. SCOTLAND, E.																						
Aberdeen Aberdeen ...	72	42	†	—	0	23	2	76	77	13	0	270	26	11	23	11	51	23	23	16	20	
Edinburgh Edinburgh ...	485	39	31	—	0	22, 23	18	110	36	4	0	290	30	13	23	15	45	20	23	14	35	
6a. SCOTLAND, W.																						
Renfrew Paisley ...	188	81	15	—	0	—	0	76	85	7	0	280	22	10	22	3	43	19	22	8	35	
Dumfries Eskdalemuir ...	825	50	22	—	0	22	3	79	71	7	8	270	25	11	22	12	44	19	22	12	40	
2. ENGLAND, N.E.																						
Durham South Shields...	72	61	12	—	0	21, 22, 23	26	57	75	10	0	300	34	15	22	16	53	24	22	15	30	
York, E.R. Spurn Head ...	67	41	†	—	0	20, 22, 23	29	89	43	7	0	290	29	13	22	15	37	17	20	10	45	
Lincoln Cranwell ...	280	43	31	—	0	—	0	77	(81)	(10)	0	280	20	9	22	16	28	13	22	10	20	
3. ENGLAND, E.																						
Norfolk Gorleston ...	52	42	†	—	0	—	0	47	104	17	0	340	23	10	20	11	33	15	20	10	25	
Essex Shoeburyness...	103	90	†	—	0	—	0	36	109	23	0	310	18	8	22	11	33	15	20	12	25	
5. ENGLAND, S.E.																						
Surrey Richmond																						
(Kew Obs.)...	82	65	22	—	0	—	0	0	108	59	1	350	12	5	20	12	24	11	20	11	55	
Kent Lympne ...	409	70	†	—	0	—	0	50	98	20	0	10	23	10	20	13	35	16	20	12	35	
Surrey Croydon ...	284	40	24	—	0	—	0	3	132	33	0	20	16	7	20	12	26	12	20	11	35	
Hampshire Petersfield	811	42	†	—	0	—	0	9	129	29	1	320	14	6	20	3	24	11	22	11	25	
(Stoner Hill)...																						
Sussex Brighton ...	261	53	6	—	0	—	0	6	128	34	0	—	14	6	22	10	29	13	20	13	35	
Hampshire S. Farnboro'																						
(Pye's Tr.)...	444	160	—	—	0	—	0	69	85	14	0	10	20	9	26	14	36	16	20	13	40	
Wiltshire Larkhill, S'y																						
Plain ...	513	63	43	—	0	22	2	120	(46)	(0)	0	320	26	12	22	17	32	14	22	16	40	
7a. ENGLAND, N.W.																						
Lancashire Fleetwood																						
(Cup Anr.)...	109	44	—	—	0	19, 20, 22	37	79	49	3	0	360	34	15	19	19	—	—	—	—	—	
Lancashire Southport ...	80	62	48	—	0	19 to 22	43	100	21	4	0	280	33	15	22	9	42	19	22	8	50	
7b. NORTH WALES.																						
Anglesey Holyhead ...	64	45	†	—	0	—	0	97	66	5	0	330	24	11	19 24	—	—	—	—	—	—	
8b. ENGLAND, S.W.																						
Devon Plymouth ...	135	88	2	—	0	Under repair.						330			20 1	34	15	20	1	50		
Cornwall Pendennis												260			22 10							
Castle ...	255	65	24	—	0	—	0	38	118	12	0	300	19	9	20	9	30	13	20	8	25	
10. IRELAND, S.																						
Dublin Kingstown																						
(Cup Anr.)...	49	27	—	—	0	18, 21, 22	18	98	31	0	21	250	32	14	22	4	—	—	—	—	—	
Clare Quilty...	100	40	†	—	0	—	0	86	81	1	0	—	21	9	19	17	28	12	19	17	5	
Kerry Cahirciveen																						
(Val. Obs.)...	98	41	†	—	0	—	0	46	110	12	0	350	22	10	19	18	29	13	19	17	50	
Cork Weaver Pt. ...	160	30	†	—	0	—	0	99	65	4	0	—	24	11	19	20	34	15	19	20	15	
11a. SCILLY ISLES.																						
Scilly St. Mary's	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIFTH WEEK of 1923—June 17th to June 23rd, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration	Mean Pressure at M.S.L.
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal			inches.	mm.					
0. SCOTLAND, NORTH ..	69	36	56.9	46.5	51.3	- 1.8	65	- 13	0	0	5	+ 1	0.80	20	+ 1	2.3	- 2.5	13	1016
Eastern.																			
1. SCOTLAND, EAST ..	74	32	61.9	47.4	54.2	- 0.2	85	- 2	0	0	3	- 1	0.11	3	- 13	4.3	- 1.1	24	1018
2. ENGLAND, N.E. ..	78	36	61.9	48.0	54.4	- 1.7	87	- 11	0	0	2	- 1	0.04	1	- 13	5.2	- 0.7	30	1021
3. ENGLAND, EAST ..	78	37	63.1	47.4	54.7	- 3.3	89	- 23	0	0	2	- 1	0.08	2	- 9	5.2	- 1.4	31	1021
4. MIDLAND COUNTIES	76	37	63.2	48.3	55.2	- 2.2	92	- 16	0	0	2	- 1	0.07	2	- 12	5.1	- 0.7	30	1022
5. ENGLAND, S.E. ..	77	37	64.5	47.9	55.6	- 2.7	95	- 19	0	0	1	- 2	0.04	1	- 10	5.2	- 1.7	32	1022
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	69	31	59.6	46.9	52.8	- 2.7	76	- 19	0	0	3	- 1	0.48	12	- 10	—	—	—	1021
7. ENGLAND, N.W. (and North Wales)	70	33	60.1	48.9	54.1	- 2.6	85	- 18	0	0	2	- 2	0.09	2	- 16	5.0	- 0.7	29	1023
8. ENGLAND, S.W. (and South Wales)	76	36	62.7	49.7	55.8	- 1.3	97	- 9	0	0	1	- 3	0.05	1	- 13	6.8	+ 0.6	41	1024
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.5	- 2.8	15	1024
10. IRELAND, SOUTH ..	69	45	63.5	51.4	57.0	- 0.0	105	0	0	0	1	- 3	0.07	2	- 19	5.0	- 0.6	30	1027
11. CHANNEL ISLANDS (and Scilly)	68	49	61.2	51.7	56.1	- 2.2	99	- 15	0	0	1	- 2	0.04	1	- 11	7.3	- 0.1	45	1025
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.9	- 1.0	29	1022
THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, June 3rd to June 23rd, 1923.																			
0. SCOTLAND, NORTH ..	69	32	54.7	44.9	49.4	- 2.7	155	- 61	0	- 1	15	+ 4	2.74	69	+ 22	3.2	- 2.1	18	1013
Eastern.																			
1. SCOTLAND, EAST ..	74	27	58.3	44.7	51.0	- 2.3	189	- 52	0	- 1	12	+ 2	0.85	22	- 16	4.6	- 1.3	26	1015
2. ENGLAND, N.E. ..	78	36	59.4	46.7	52.6	- 2.1	222	- 44	0	0	10	+ 1	0.71	18	- 17	4.9	- 1.2	29	1018
3. ENGLAND, EAST ..	78	31	61.5	47.0	53.7	- 2.8	245	- 60	0	0	8	- 1	0.62	16	- 20	4.8	- 1.9	29	1019
4. MIDLAND COUNTIES	76	34	61.6	47.4	54.0	- 2.4	252	- 50	0	0	7	- 2	0.49	13	- 25	4.4	- 1.7	27	1020
5. ENGLAND, S.E. ..	77	30	62.1	47.7	54.4	- 2.9	260	- 61	0	0	4	- 5	0.36	10	- 25	4.8	- 2.2	29	1020
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	69	31	57.2	45.9	51.1	- 3.6	193	- 79	0	0	12	+ 2	1.92	48	- 3	—	—	—	1017
7. ENGLAND, N.W. (and North Wales)	70	33	57.8	48.3	52.7	- 3.0	225	- 63	0	0	9	- 1	0.67	17	- 23	4.6	- 2.0	27	1020
8. ENGLAND, S.W. (and South Wales)	76	36	60.6	49.0	54.4	- 2.0	260	- 44	0	0	5	- 5	0.63	15	- 27	5.8	- 0.9	35	1022
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.1	- 3.6	12	1020
10. IRELAND, SOUTH ..	69	45	61.4	50.4	55.5	- 0.8	284	- 18	0	0	8	- 2	0.77	20	- 27	4.2	- 1.9	25	1024
11. CHANNEL ISLANDS (and Scilly)	68	42	60.0	50.5	54.9	- 2.5	272	- 51	0	0	4	- 5	0.38	10	- 23	7.0	- 0.7	43	1023
MEAN: DISTRICTS 1-10..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.5	- 1.9	27	1019
THE YEAR. Aggregates, &c., for the Period of 25 Weeks, December 31st, 1922, to June 23rd, 1923.																			
0. SCOTLAND, NORTH ..	73	24	48.4	38.3	43.2	+ 0.6	522	- 104	317	- 199	114	- 1	23.38	594	+ 17	3.3	- 0.2	26	1009
Eastern.																			
1. SCOTLAND, EAST ..	76	20	48.5	37.4	42.7	0.0	546	- 168	419	- 165	107	+ 9	13.96	357	+ 26	3.1	- 0.9	25	1010
2. ENGLAND, N.E. ..	78	25	49.9	39.1	44.4	+ 0.4	706	- 95	294	- 156	93	+ 4	10.48	268	+ 11	3.5	- 0.7	28	1012
3. ENGLAND, EAST ..	82	23	51.8	40.1	45.8	+ 1.0	900	- 59	234	- 233	90	+ 3	9.08	228	- 24	3.6	- 0.9	29	1014
4. MIDLAND COUNTIES	79	22	51.7	39.3	45.3	+ 0.6	858	- 114	280	- 214	96	+ 10	13.37	340	+ 54	3.1	- 0.9	25	1013
5. ENGLAND, S.E. ..	81	22	52.7	40.9	46.6	+ 0.6	988	- 62	183	- 174	91	+ 6	13.02	332	+ 48	3.7	- 0.9	29	1014
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	71	20	50.3	38.9	44.5	0.0	712	- 115	279	- 111	106	+ 2	20.34	514	+ 6	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)	73	24	50.7	40.6	45.5	+ 0.5	795	- 87	185	- 175	102	+ 9	14.20	361	+ 2	3.6	- 0.5	29	1012
8. ENGLAND, S.W. (and South Wales)	76	24	52.1	41.6	46.7	+ 0.5	960	- 60	133	- 151	101	+ 8	18.66	473	+ 67	3.9	- 0.6	31	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	- 0.5	27	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)	78	32	53.6	45.0	49.2	+ 0.7	1261	+ 24	3	- 97	111	+ 13	16.66	424	+ 86	4.4	- 0.8	35	1015
MEAN: DISTRICTS 1-10 ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



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TWENTY-SIXTH WEEK.
 SUNDAY, JUNE 24TH, TO SATURDAY, JUNE 30TH, 1923.

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I.—GENERAL SUMMARY. [First published in 1878.]

The predominating feature in this week's pressure distribution was the anticyclone situated off our western coasts. Winds were light to moderate between north-west and north, and the weather over the British Isles was mainly fair to fine, cool and dry, except in the north when at the beginning and end of the week dull cloudy conditions accompanied by drizzle at times, prevailed. Temperature was everywhere below normal, the defect from normal ranging from 4.1°F. in eastern England to 0.5°F. in Ireland S. At most places the highest temperatures of the week occurred on the 28th or the 29th. The absolute maximum temperature for the week for all districts (78°F.) occurred at Crieff on the 28th and in London on the 29th. In most parts of the country the lowest screen minimum temperatures occurred on the 26th. Ground frost was reported on one or two occasions from several stations

in the north and from one in Wales. Rainfall was everywhere below normal, the defect from normal being least on the east and south-east coasts of the British Isles. With the exception of the English Channel, where it was above normal, sunshine was everywhere deficient, the deficiency being greatest in south-east England and least in south-west England. The sunniest days of the week over the country generally were the 26th and the 29th. Among the largest amounts were 16.5 hours at Lerwick on the 26th, and, on the 29th, 16.0 hours at Tenbury, 15.2 hours at Guernsey, 15.0 hours at Torquay, 14.9 hours at Dumfries. Solar halos were observed at Aberdeen on the 25th and 26th, at Ross, Porton, Guernsey and Shoeburyness on the 30th and at Oxford on several days. A lunar halo was observed at Oxford on the 29th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	0	—	4	5 2.2	5	6 2.7	0	—	3	4 1.9	—	—	3	2 1.1	0	—
North	25	10 4.3	19	4 1.8	16	6 2.5	17	4 1.9	20	5 2.3	—	—	20	5 2.3	24	8 3.5
West	27	15 6.5	22	10 4.6	15	6 2.6	12	4 1.9	23	9 4.2	—	—	24	14 6.2	21	5 2.1
East	0	—	2	3 1.3	7	4 1.9	3	2 0.8	1	2 0.7	—	—	3	4 1.8	2	2 0.9
Calm (or wind-speed < 4 m.p.h.)	0	—	3	—	6	—	10	—	3	—	—	—	1	—	4	—
No record ...	0	—	0	—	0	—	0	—	0	—	—	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Very Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	
	Rainfall ..	Light	Light	Light	Moderate	Very Light	Light	Very Light	Light	Light	Very Light	Nought	
	Sunshine ..	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Very Scanty	Abundant	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 4 weeks from June 3rd, 1923.	Warmth ..	0, 0, 4	0, 1, 3	0, 0, 4	0, 0, 4	0, 0, 4	0, 0, 4	0, 0, 4	0, 0, 4	0, 1, 3	—	0, 3, 1	0, 1, 3
	Rainfall ..	2, 1, 1	0, 2, 2	0, 2, 2	0, 2, 2	0, 0, 4	0, 1, 3	1, 2, 1	0, 1, 3	0, 1, 3	—	0, 1, 3	0, 1, 3
	Sunshine ..	0, 1, 3	0, 2, 2	0, 3, 1	0, 1, 3	0, 1, 3	0, 0, 4	—	0, 0, 4	0, 3, 1	0, 0, 4	0, 0, 4	1, 1, 2

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

106 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "z" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. ‡ Temperatures recorded on a Glaisher stand. † Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.			Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature						
					Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
									Of Daily Max.	Of Daily Min.	Adjusted Daily Mean								Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.																										
Cardigan	Aberystwyth	...	16	h	*F. 62	24, 28	42	30th	*F. 50.4	*F. 51.3	*F. 55.1	*F. —	1	0.20	5	—	Aberystwyth	Hr. 5.0	Hr. —	% 30	—	*F. —	*F. —	*F. —	*F. —	*F. —
Pembroke	St. Ann's Hd.	...	149	t	65	24th	47	27th	61.9	51.7	56.4	- 0.7	1	0.01	0.2	—	St. Ann's Hd.	7.1	- 0.3	43	—	—	—	—	—	—
Radnor	Rhayader	...	757	a	70	29th	40	29th	62.0	46.1	53.5	—	1	0.02	0.4	—	Rhayader	4.8	—	29	2	29	—	—	—	—
Glamorgan	Cardiff	...	202	p	72	29th	46	29, 30	67.9	50.7	58.7	- 0.3	1	0.01	0.3	- 16	Cardiff	5.7	—	35	0	37	60.2	- 0.2	54.3	- 2.1
8b. ENGLAND, S.W.																										
Somerset	Bath	...	66	h	75	29th	46	29th	67.9	50.7	58.7	- 0.9	3	0.19	5	- 8	Bath	4.7	- 2.5	29	—	—	60.2	—	56.1	—
Dorset	Shaftesbury	...	722	a	72	29th	46	27th	64.9	48.7	56.2	- 2.0	2	0.19	5	- 9	Shaftesbury	—	—	—	—	—	59.3	—	54.8	—
Devon	Portland Bill	...	19	t	65	25th	51	27th	62.9	55.0	58.7	+ 0.2	2	0.02	0.4	- 9	Weymouth	6.5	—	39	—	—	—	—	—	—
	Arlington	...	613	a	68	29th	43	27, 30	63.9	48.8	55.8	- 1.5	1	0.10	3	- 17	Cullompton	5.6	- 1.1	34	0	36	62.7	—	—	—
	Cullompton	...	202	a	77	29th	42	20th	71.3	48.7	59.2	- 0.1	0	0.00	0	- 13	Plymouth	8.7	+ 1.2	53	0	45	64.0	+ 2.4	56.2	—
	Plymouth	...	116	p	74	29th	50	27th	69.6	52.0	60.2	+ 0.6	1	0.03	1	- 13	Newquay	8.1	+ 0.7	50	—	—	61.0	—	54.4	—
Cornwall	Newquay	...	190	h	62	24, 28	44	30th	60.4	49.7	54.7	- 3.7	0	0.01	0.2	- 12	Falmouth	9.3	+ 1.5	57	0	42	64.3	—	60.1	—
	Falmouth	...	167	h	72	28th	50	27th	67.1	52.7	59.4	+ 0.5	2	0.02	1	- 13										
9. IRELAND, N.																										
Donegal	Malin Head	...	71	t	57	24th	47	26th	54.3	49.0	51.5	- 4.2	5	0.25	6	- 8	Malin Head	3.0	—	17	—	—	—	—	—	—
Mayo	Blackod Point	...	10	t	60	25th	47	29th	58.9	49.1	53.7	- 3.3	3	0.15	4	- 13	Mallary	1.9	- 2.7	11	0	37	58.3	- 0.6	53.1	- 1.2
Sligo	Mallary	...	120	a	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	—	—	—	—	—	—	—	—	—
	Markree Castle	...	122	p	62	24th	42	29th	59.4	50.0	54.4	- 1.9	5	0.42	11	- 8	Armagh	3.3	- 1.4	20	0	36	58.5	+ 0.3	53.7	- 0.9
Armagh	Armagh	...	204	p	66	28th	45	27, 29	63.3	49.0	55.7	- 1.4	4	0.13	3	- 13	Down	3.5	- 1.4	20	0	36	58.5	+ 0.3	53.7	- 0.9
Down	Donaghadee	...	35	t	66	24th	48	26, 27, 29	58.0	50.6	54.0	- 2.5	4	0.26	7	- 8										
10. IRELAND, S.																										
Dublin	Dublin City	...	54	p	65	24, 29, 30	46	27th	63.7	52.1	57.5	- 1.8	2	0.06	2	- 10	Trinity Coll.	—	—	—	0	39	57.9	- 1.1	54.0	- 1.6
King's County	Birr Castle	...	175	t	65	26, 28, 30	44	27, 29	63.7	50.6	56.7	- 1.1	0	0.01	0.2	- 14	Phoenix Park	3.5	- 2.3	21	0	42	—	—	—	—
Kilkenny	Kilkenny	...	195	a	68	29th	45	27th	65.9	51.1	58.0	- 0.2	0	0.00	0	- 14	Dublin City	—	—	—	0	—	—	—	—	—
Waterford	Waterford	...	137	a	70	29th	47	27th	66.1	52.3	58.7	+ 0.1	0	0.00	0	- 15	Birr Castle	2.2	- 2.7	13	0	35	—	—	—	—
	Seskin, Carrick-on-Suir	...	542	p	68	29, 30	45	27th	65.1	49.6	56.8	—	1	0.02	1	—	Seskin	—	—	—	0	40	—	—	—	—
Limerick	Foynes	...	50	a	65	26, 28	50	27th	62.9	52.7	57.4	- 0.9	0	0.00	0.1	- 15										
Kerry	Cahiriveen (Val.O.)	...	30	t	63	27, 28	50	28th	60.7	53.6	56.9	- 1.1	0	0.00	0	- 18	Cahiriveen	2.3	- 3.3	14	0	46	—	—	—	—
	Killarney	...	174	a	68	24th	52	28, 29	64.2	53.5	58.5	+ 0.1	1	0.02	1	- 15	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point	...	32	t	68	27th	50	27, 30	64.6	53.4	58.6	+ 0.4	0	0.00	0	- 15	Ballinacurra	2.7	- 3.3	17	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	...	131	t	66	28th	51	27th	63.1	52.7	57.5	- 1.3	1	0.01	0.2	- 8	St. Mary's	7.6	- 0.6	47	—	—	—	—	—	—
Guernsey	Grange	...	173	p	70	24th	52	27th	66.4	53.6	59.6	- 0.5	0	0.00	0	- 8	Grange	12.4	+ 3.5	76	0	48	66.7	+ 4.9	58.7	+ 0.1
Jersey	St. Aubins	...	25	t	71	24, 29	48	30th	67.1	52.7	59.4	- 1.1	0	0.00	0	- 9	St. Heliers	10.3	+ 1.6	63	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, June 30th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands Lerwick ...	310	42	+	—	0	25, 26	22	99	38	9	0	340	32	14	26	9	44	20	26	11	40		
Orkneys **Deerness (Cup Anr.)	188	16	5	23	1	23, 24, 26, 28	28	100	38	1	0	280	39	17	23	9	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	+	—	0	—	0	31	115	22	0	330	19	9	26	12	32	14	25	10	20		
Edinburgh Edinburgh ...	485	39	31	—	0	24	7	40	90	31	0	270	27	12	24	2	41	18	24	2	35		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	47	91	30	0	270	19	9	24	3	39	17	24	13	40		
Dumfries Eskdalemuir ...	825	60	22	—	0	—	0	26	81	59	2	270	18	8	24	16	38	17	24	14	45		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	24	5	26	(56)	(81)	0	280	27	12	24	7	44	20	24	7	20		
York, E.R. Spurn Head ...	67	41	+	—	0	24	1	46	(91)	(30)	0	300	27	12	24	17	33	15	24	17	0		
Lincoln Cranwell ...	280	43	31	—	0	—	0	26	(81)	(61)	0	260	19	9	30	11	24	11	24	15	40		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	+	—	0	—	0	12	101	55	0	20	17	8	29	15	25	11	29	14	55		
Essex Shoeburyness...	103	90	+	—	0	—	0	21	101	46	0	320	14	6	24	12	25	11	24	12	20		
5. ENGLAND, S.E.																							
Surrey Richmond	82	65	22	—	0	—	0	0	84	84	0	320	9	4	24	10	19	9	24	9	50		
(Kew Obs.)...	409	70	+	—	0	—	0	0	5	139	24	0	10	15	7	25	13	23	10	25	12	0	
Kent Lympne ...	284	40	24	—	0	—	0	0	0	106	62	0	320	10	5	24	12	19	9	24	12	5	
Surrey Croydon ...	811	42	+	—	0	—	0	0	123	45	0	280	10	5	30	16	20	9	25	13	0		
Hampshire Petersfield (Stoner Hill)...	261	53	6	—	0	—	0	1	113	54	0	—	13	6	18	23	23	10	30	17	40		
Sussex Brighton ...	444	160	—	—	0	—	0	15	134	19	0	320	16	7	25	11	25	11	25	14	30		
Hampshire S. Farnboro' (Pve'k Tr.)...	513	63	43	—	0	—	0	64	(104)	(0)	0	340	19	9	25	14	25	11	24	11	20		
Wiltshire Larkhill, S'y Plain ...	109	44	—	—	0	24 to 27	7	121	35	5	0	290	28	13	25	3	—	—	—	—	—		
7a. ENGLAND, N.W.	80	62	48	—	0	24, 25, 30	14	108	43	3	0	280	28	13	24	7	35	16	24	7	10		
Lancashire Fleetwood (Cup Anr.)...	64	45	+	—	0	—	0	50	92	26	0	260	21	9	24	8	29	13	24	8	45		
Lancashire Southport ...	185	88	2	—	0	—	0	—	—	—	0	270	—	—	—	—	—	—	—	—	—		
7b. NORTH WALES.	256	65	24	—	0	—	0	28	130	10	0	—	16	7	30	1	25	11	26	15	25		
Anglesey Holyhead ...	49	27	—	—	0	25	1	102	58	7	0	270	25	11	25	3	—	—	—	—	—		
8b. ENGLAND, S.W.	100	40	+	—	0	26	1	62	78	27	0	—	25	11	26	6	32	14	26	6	25		
Devon Plymouth ...	98	41	+	—	0	—	0	43	100	25	0	350	18	8	26	13	27	12	26	8	55		
Cornwall Pendennis Castle...	160	30	+	—	0	—	0	53	90	25	0	—	24	11	25	19	32	14	25	18	35		
10. IRELAND, S.	150	32	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	25	1	102	58	7	0	270	25	11	25	3	—	—	—	—	—		
Clare Quilty...	100	40	+	—	0	26	1	62	78	27	0	—	25	11	26	6	32	14	26	6	25		
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	—	0	43	100	25	0	350	18	8	26	13	27	12	26	8	55		
Cork Weaver Pt. ...	160	30	+	—	0	—	0	53	90	25	0	—	24	11	25	19	32	14	25	18	35		
11a. SCILLY ISLES.	150	32	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Scilly St. Mary's	150	32	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		TWENTY-SIXTH WEEK of 1923—June 24th to June 30th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
0. SCOTLAND, NORTH ..		°F. 69	°F. 35	°F. 57.8	°F. 45.9	°F. 51.4	°F. - 2.9	day- deg. F. 66	day- deg. F. - 19	day- deg. F. 0	day- deg. F. 0	3	- 1	inches. 0.22	mm. 6	mm. - 11	hr. 2.9	hr. - 1.5	% 16	mb. 1019
Eastern.																				
1. SCOTLAND, EAST ..		78	32	61.9	45.9	53.3	- 2.7	79	- 18	0	0	2	- 1	0.19	5	- 7	5.1	- 1.1	29	1020
2. ENGLAND, N.E. ..		74	37	63.4	47.5	54.9	- 2.8	90	- 20	0	0	1	- 2	0.08	2	- 10	5.4	- 0.9	32	1021
3. ENGLAND, EAST ..		77	37	63.8	48.4	55.6	- 4.1	95	- 29	0	0	2	- 1	0.08	2	- 9	5.3	- 2.0	32	1021
4. MIDLAND COUNTIES		77	39	66.3	48.6	56.8	- 2.3	104	- 16	0	0	1	- 2	0.03	1	- 13	4.0	- 2.5	24	1021
5. ENGLAND, S.E. ..		76	40	66.1	50.5	57.8	- 2.2	111	- 15	0	0	1	- 1	0.06	2	- 8	4.8	- 3.0	29	1021
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		69	34	61.2	48.4	54.3	- 2.4	86	- 16	0	0	2	- 2	0.09	2	- 15	—	—	—	1021
7. ENGLAND, N.W. (and North Wales)		70	37	60.4	50.3	55.0	- 3.0	91	- 21	0	0	2	- 1	0.08	2	- 15	4.5	- 1.8	27	1022
8. ENGLAND, S.W. (and South Wales)		77	40	65.9	50.5	57.7	- 0.8	110	- 6	0	0	1	- 2	0.06	2	- 13	6.7	- 0.4	40	1023
9. IRELAND, NORTH ..		66	42	59.6	49.7	54.3	- 2.4	86	- 17	0	0	3	- 1	0.20	5	- 12	2.6	- 2.1	15	1024
10. IRELAND, SOUTH ..		70	44	64.0	52.4	57.8	- 0.5	111	- 3	0	0	0	- 4	0.01	0	- 15	2.7	- 2.8	16	1025
11. CHANNEL ISLANDS (and Scilly)		71	48	65.5	53.0	58.8	- 0.8	118	- 5	0	0	0	- 3	0.00	0	- 9	10.1	+1.5	62	1024
MEAN: DISTRICTS 1-10		78	32	63.3	49.2	55.7	- 2.3	96	- 16	0	0	1	- 2	0.09	2	- 12	4.6	- 1.8	27	1022
THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, June 3rd to June 30th, 1923.																				
0. SCOTLAND, NORTH ..		69	32	55.5	45.1	49.9	- 2.7	221	- 80	0	- 1	18	+ 3	2.96	75	+11	3.1	- 2.0	17	1015
Eastern.																				
1. SCOTLAND, EAST ..		78	27	59.2	45.0	51.6	- 2.4	268	- 70	0	- 1	14	+ 1	1.04	27	- 23	4.7	- 1.3	27	1016
2. ENGLAND, N.E. ..		78	36	60.4	46.9	53.1	- 2.4	312	- 64	0	0	11	- 1	0.79	20	- 27	5.0	- 1.2	30	1019
3. ENGLAND, EAST ..		78	31	62.1	47.3	54.2	- 3.1	340	- 89	0	0	10	- 2	0.70	18	- 29	4.9	- 1.9	30	1019
4. MIDLAND COUNTIES		77	34	62.8	47.7	54.7	- 2.4	356	- 66	0	0	8	- 4	0.52	14	- 38	4.3	- 1.9	26	1020
5. ENGLAND, S.E. ..		77	30	63.1	48.4	55.3	- 2.7	371	- 76	0	0	5	- 6	0.42	12	- 33	4.8	- 2.4	29	1021
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		69	31	58.2	46.5	51.9	- 3.3	279	- 95	0	0	14	0	2.01	50	- 18	—	—	—	1018
7. ENGLAND, N.W. (and North Wales)		70	33	58.4	48.8	53.3	- 3.0	316	- 84	0	0	11	- 2	0.75	19	- 38	4.6	- 1.9	27	1021
8. ENGLAND, S.W. (and South Wales)		77	36	61.9	49.3	55.2	- 1.7	370	- 50	0	0	6	- 7	0.69	17	- 40	6.0	- 0.8	37	1022
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.2	- 3.3	13	1021
10. IRELAND, SOUTH ..		70	44	62.1	50.9	56.1	- 0.7	395	- 21	0	0	8	- 6	0.78	20	- 42	3.8	- 2.1	23	1024
11. CHANNEL ISLANDS (and Scilly)		71	42	61.3	51.1	55.9	- 2.0	390	- 56	0	0	4	- 8	0.38	10	- 32	7.7	- 0.2	48	1023
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.5	- 1.9	27	1020
THE YEAR. Aggregates, &c., for the Period of 26 Weeks, December 31st, 1922, to June 30th, 1923.																				
0. SCOTLAND, NORTH ..		73	24	48.8	38.6	43.5	+0.4	588	-123	317	-199	117	- 2	23.60	600	+ 6	3.3	- 0.1	26	1010
Eastern.																				
1. SCOTLAND, EAST ..		78	20	49.0	37.7	43.1	- 0.2	625	-186	419	-165	109	+ 8	14.15	362	+19	3.2	- 0.8	25	1011
2. ENGLAND, N.E. ..		78	25	50.4	39.5	44.8	+0.3	796	-115	294	-156	94	+ 2	10.56	270	+ 1	3.6	- 0.7	28	1013
3. ENGLAND, EAST ..		82	23	52.4	40.5	46.2	+0.8	995	- 88	234	-233	92	+ 2	9.16	230	- 33	3.7	- 0.9	29	1014
4. MIDLAND COUNTIES		79	22	52.3	39.6	45.7	+0.4	962	-130	280	-214	97	+ 8	13.40	341	+41	3.1	- 1.0	25	1013
5. ENGLAND, S.E. ..		81	22	53.2	41.3	47.0	+0.5	1099	- 77	183	-174	92	+ 5	13.08	334	+40	3.7	- 1.0	29	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		71	20	50.8	39.3	44.8	- 0.1	798	-131	279	-111	108	0	20.43	516	- 9	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		73	24	51.0	41.0	45.8	+0.3	886	-108	185	-175	104	+ 8	14.28	363	- 13	3.6	- 0.6	29	1013
8. ENGLAND, S.W. (and South Wales)		77	24	52.7	42.0	47.1	+0.4	1070	- 66	133	-151	102	+ 6	18.72	475	+54	4.0	- 0.5	31	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	- 0.5	26	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		78	32	54.1	45.3	49.5	+0.6	1379	+19	3	- 97	111	+10	16.66	424	+ 77	4.7	- 0.7	37	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 27.
Vol. XL. (New Series) }

TWENTY-SEVENTH WEEK.

SUNDAY, JULY 1ST, TO SATURDAY, JULY 7TH, 1923.

Price 9d. Net. Post free 9½d.
Annual Subscription
(including Postage), 2s. 6d.

I.—GENERAL SUMMARY. [First published in 1878.]

The anticyclone off the south-west of Ireland continued to influence the weather in the southern parts of the British Isles early in the week, and conditions remained fair to fine. By the 3rd the depression centred near Iceland had spread over the British Isles, and cloudy weather with occasional bright intervals prevailed. Precipitation was slight, in the form of local rain or showers. On the 4th, the depression had begun to fill up, and the remainder of the week was characterised by fine sunny weather with high day temperatures and warm nights, associated with the spreading westwards of the anticyclone over the Continent. Temperature was everywhere above normal, the excess above normal ranging from 1·8°F. in Scotland N. to 3·4°F. in the Midland Counties. The hottest days of the week were the 6th and 7th, and at some stations in the Midland Counties and England S.E., day-maximum temperatures of 90°F. were recorded. The highest day-maximum temperatures of the week were 92°F. at Camden Square, London, and 91°F. at Raunds and Lincoln, all occurring on the 7th. The night of the 6-7th was

particularly warm, the minimum temperature at some stations being as high as the day-maximum temperature on the 6th. The rainfall for the week was everywhere deficient, the defect from normal ranging from 2mm. in Scotland N. to 11mm. in the Channel Islands and Scilly. Amongst the heaviest falls recorded were:—19mm. at Dublin on the 6th, 18mm. at Scarborough, 14mm. at Aberdeen, 13mm. at Rhayader, all on the 7th. Thunderstorms, accompanied in many cases by heavy rain, occurred on the 6th and 7th. Except in England E. and S.E. where it was slightly above normal, sunshine was everywhere deficient. The sunniest day of the week was the 6th and at most of the southern health resorts the total duration on this day exceeded 14 hours. Amongst the largest amounts on the 6th were:—14·8 hours at Hastings, 14·7 hours at Eastbourne, 14·6 hours at Cromer, 14·5 hours at Worthing and Brighton. Solar halos were observed at Oxford on the 1st, 5th and 7th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahiriveen.			
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
				m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s	
South	...	...	15	8	3.5	13	7	3.3	12	9	3.8	15	6	2.5	20	13	5.8	—	—	—	—	—	—	19	7	3.1	22	7	3.1	—	—	—			
North	...	...	5	7	3.3	3	2	0.8	3	6	2.6	5	3	1.4	4	6	2.7	—	—	—	—	—	—	4	4	1.7	0	—	—	—	—	—			
West	...	...	12	5	2.3	17	9	4.1	7	4	1.7	15	5	2.1	20	5	2.4	—	—	—	—	—	—	13	6	2.9	15	4	1.9	—	—	—			
East	...	...	7	4	2.0	1	3	1.4	7	4	1.6	10	7	3.3	4	5	2.1	—	—	—	—	—	—	10	4	1.6	7	4	1.8	—	—	—			
Calm (or wind- speed < 4 m.p.h.)				8	—	—	9	—	—	13	—	—	3	—	—	2	—	—	—	—	—	—	—	—	5	—	—	6	—	—	—	—	—		
No record				0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	—	—	—	0	—	—	0	—	—	—	—	—		

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly)	
Comparison with the normal for the time of year ..	Warmth .. Rainfall .. Sunshine ..	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	—	Unusual
		Moderate	Light	Light	Light	Light	Light	Moderate	Light	Light	Light	—	Light
		Abundant	Scanty	Scanty	Moderate	Scanty	Moderate	—	Scanty	Scanty	Moderate	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 5 weeks from June 3rd, 1923.	Warmth ..	1, 0, 4	1, 1, 3	1, 0, 4	1, 0, 4	1, 0, 4	1, 0, 4	1, 0, 4	1, 0, 4	1, 1, 3	—	—	1, 1, 3
		2, 2, 1	0, 2, 3	0, 2, 3	0, 2, 3	0, 0, 5	0, 1, 4	1, 3, 1	0, 1, 4	0, 1, 4	—	—	0, 1, 4
		1, 1, 3	0, 2, 3	0, 3, 2	0, 2, 3	0, 1, 4	0, 1, 4	—	0, 0, 5	0, 3, 2	0, 1, 4	0, 0, 5	1, 1, 3

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

110 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminals Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.						
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week		Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			Inches	mm.						Ground	Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	64	7th	47	2nd	58.6	49.4	53.7	+1.7	1	0.08	2	-11	Lerwick	5.3	—	29	—	—	—	—	—		
Orkneys	Deerness	180	65	5th	44	1st	60.6	48.6	54.2	+1.2	5	0.07	2	-12	Deerness	5.9	+1.4	32	—	—	—	—	—		
Hebrides	Stornoway	51	68	7th	44	6th	60.6	49.6	54.7	+0.6	5	1.32	34	+17	Stornoway	4.3	-0.5	24	—	—	—	—	—		
	Castlebay	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—		
Caithness	Wick	81	63	3rd	45	1st	59.4	49.3	54.0	+0.2	4	0.10	3	-12											
Ross and Cromarty	Strathpeffer	125	73	6, 7	42	5th	68.1	50.7	58.8	+2.4	4	0.35	9	-5											
Inverness	Achnashellach	225	77	6th	48	5th	65.6	52.9	58.8	—	4	0.83	21	—	Achnashellach	—	—	—	0	42	—	—	—		
	Inverness	242	72	7th	49	5th	65.3	51.7	58.0	—	3	0.07	2	—	Inverness	4.9	—	28	0	39	—	—	—		
	Fort Augustus	68	68	7th	48	5, 6	63.6	50.9	56.8	+0.7	5	0.63	16	0											
	Onich	—	80	6th	48	5th	65.3	51.7	58.0	—	4	1.39	35	—	Onich	2.3	—	13	0	41	—	—	—		
1. SCOTLAND, E.																									
Nairn	Nairn	82	70	4th	49	2, 5	65.7	52.3	58.5	+2.4	4	0.15	4	-10	Nairn	4.9	—	28	—	—	—	—	—		
Elgin	Gordon Castle	101	82	7th	48	1, 5	70.7	53.1	61.3	+5.1	2	0.05	1	-16	Gordon Castle	5.5	—	31	—	—	—	—	—		
Aberdeen	Aberdeen	46	71	2, 3	47	4th	66.0	51.0	58.0	—	3	0.58	15	0	Aberdeen	5.5	+0.2	31	0	36	—	50.7	-1.3		
	Balmoral	930	76	6, 7	39	5th	67.3	47.9	56.9	+2.7	1	0.03	1	-13	Balmoral	—	—	—	0	32	—	—	—		
Perth	Crieff	478	78	6th	46	1st	67.3	50.7	58.4	+0.7	4	0.25	6	-11	(Kinc.) Crathes	4.0	-1.2	23	0	33	56.0	—	49.4		
Forfar	Dundee	147	71	3rd	50	1, 2	68.4	53.3	60.3	—	2	0.27	7	—	Dundee	3.0	—	17	0	48	57.7	—	—		
Pife	Inchkeith	190	65	4th	49	1st	62.4	54.4	58.1	—	2	0.30	8	—	Inchkeith	4.4	—	26	0	45	—	—	—		
Midlothian	Edinburgh	441	72	6th	48	1st	66.3	53.3	59.4	+3.2	4	0.39	10	-4	Edinburgh	3.8	-1.8	22	0	47	—	—	—		
Peebles	West Linton	770	73	6th	40	1, 4	66.6	45.4	55.3	+1.0	6	0.64	16	—	West Linton	—	—	—	0	36	—	—	—		
Berwick	Marchmont	498	82	7th	48	1, 2	68.1	53.4	60.2	+4.2	4	0.09	2	-15	Marchmont	4.5	-1.0	26	—	—	—	—	—		
6a. SCOTLAND, W.																									
Argyle	Ford	149	78	6th	49	1, 4, 5	66.1	53.0	59.1	—	3	0.73	19	—	Ford	—	—	—	0	48	57.9	—	54.4		
Renfrew	Renfrew	49	81	6th	49	4th	67.6	53.6	60.1	—	5	0.22	5	—	Renfrew	3.3	—	19	0	46	—	—	—		
Bute	Rothsay	200	72	6th	48	1st	63.9	53.0	59.1	+1.1	4	0.37	9	-11	Rothsay	4.2	—	24	0	47	59.0	—	53.3		
Ayr	Kilmarnock	90	86	6th	50	1st	70.6	55.0	62.3	+5.8	6	0.37	9	-6	Kilmarnock	2.7	—	15	—	—	58.2	—	52.0		
	Colmonell	170	82	6th	49	4th	67.9	55.0	61.0	+5.1	6	0.77	20	+4	Colmonell	—	—	—	0	44	—	—	—		
Dumfries	Dumfries	140	83	6th	49	1st	69.1	54.0	61.0	+2.7	4	0.60	15	0	Dumfries	2.8	—	16	0	47	57.7	-1.7	53.0		
	Eskdalemuir	794	80	6th	46	2nd	65.0	52.3	58.2	—	6	1.35	34	—	Eskdalemuir	2.0	—	12	0	40	—	—	-3.4		
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	74	6th	49	1st	62.9	53.7	58.0	+1.2	7	0.82	21	+6	Douglas	3.4	-3.6	20	0	47	—	—	—		
2. ENGLAND, N.E.																									
Northumb.	Cockle Park	324	75	7th	47	7th	65.4	50.6	57.5	+1.8	2	0.15	4	-10	Cockle Park	4.6	-1.5	27	0	44	59.4	+2.7	53.3		
Derham	Tynemouth	118	85	2, 4, 6, 7	47	1, 2	66.1	53.9	59.6	+2.7	2	0.09	2	-10	Tynemouth	—	—	—	0	47	—	—	-0.4		
York	Durham	336	85	7th	49	1st	71.1	51.9	60.8	+3.0	2	0.18	5	-8	Durham	4.7	-1.2	27	0	39	—	—	—		
	Rounton	249	87	7th	49	2nd	72.3	52.7	61.8	+4.7	3	0.19	5	-9	Rounton	—	—	—	0	41	57.6	—	—		
N. Riding	West Witton	605	82	7th	49	1st	71.7	53.4	61.9	—	3	0.59	13	—	West Witton	—	—	—	0	47	53.7	—	51.0		
	Scarborough	118	72	7th	51	1st	67.0	54.7	60.4	+2.2	3	0.73	19	+7	Scarborough	5.1	-1.1	30	—	—	—	—	56.2		
	York	56	89	7th	50	1st	72.9	55.6	63.7	+4.0	3	0.13	3	-10	York	4.8	-1.2	28	—	—	58.0	-0.3	53.7		
E. Riding	Spurn Head	26	72	4th	52	1, 2	64.9	55.0	59.6	+0.9	1	0.08	2	-7	Spurn Head	6.4	—	38	—	—	—	—	—		
Lincoln	Lincoln	58	91	7th	50	2nd	74.0	55.7	64.2	+3.8	1	0.13	3	-9	Lincoln	—	—	—	0	48	59.0	-0.5	53.6		
	Cranwell	237	90	7th	47	1st	73.9	52.1	62.2	+2.3	1	0.16	4	-8	Cranwell	7.0	-0.1	42	0	43	—	—	-2.1		
	Skegness	—	71	—	—	—	—	—	—	—	—	—	—	—	Skegness	7.1	-0.3	42	—	—	—	—	—		
3. ENGLAND, E.																									
Norfolk	Cromer	196	89	7th	51	1, 2	73.7	54.2	63.3	+4.4	2	0.04	1	-8	Cromer	8.0	+1.0	48	—	—	—	—	—		
	Yarmouth	13	69	4, 7	49	1st	65.9	55.4	60.3	+0.9	0	0.00	0	-10	Yarmouth	8.6	—	52	0	43	61.3	-0.6	56.1		
	Norwich	93	88	7th	47	5th	76.2	53.0	63.8	+3.7	2	0.07	2	-10	Norwich	7.6	—	46	0	39	62.0	—	—		
	Gedeston	37	84	7th	48	1st	74.5	54.1	63.6	+3.9	1	0.43	11	+1	Gedeston	7.3	+0.1	44	—	—	—	—	—		
Cambridge	Cambridge	41	87	6, 7	47	5th	76.1	53.7	64.1	+3.4	1	0.02	1	-9	Cambridge	7.2	+0.2	44	0	40	60.3	-1.0	54.9		
Hertford	Rothamsted	420	87	7th	45	5th	73.1	51.6	61.6	+2.0	1	0.01	0.3	-11	Rothamsted	6.2	-0.8	38	0	36	60.0	—	-2.8		
Middlesex	Tottenham	51	89	7th	53	2nd	76.6	51.1	66.2	—	0	0.00	0	—	Tottenham	7.1	—	43	—	—	—	—	—		
Essex	Clacton-on-Sea	54	71	7th	51	1st	66.9	56.4	61.3	+1.2	0	0.00	0	-9	Clacton-on-Sea	8.3	+0.8	50	0	46	60.9	+0.6	55.5		
	Southend	90	83	7th	52	3rd	73.7	56.1	64.3	—	1	0.04	1	—	Southend	7.7	—	47	0	51	62.5	—	-2.5		
4. MIDLAND COUNTIES.																									
York	Harrogate	479	83	7th	49	1, 2	69.6	52.6	60.5	+2.9	2	0.27	7	-6	Harrogate	3.6	-3.0	21	0	45	56.2	+0.1	53.1		
W. Riding	Sheffield	429	86	7th	50	2nd	71.6	55.6	63.0	—	1	0.01	0.3	-12	Sheffield	4.6	-1.8	27	0	45	57.7	+0.3	52.4		
Derby	Buxton	987	80	6th	48	1, 2	67.7	52.1	59.4	+2.9	4	0.19	5	-13	Buxton	5.2	—	31	0	45	56.9	0.0	50.1		
Nottingham	Worksop (HodsckP)	56	90	7th	47	2nd	74.6	53.4	63.3	+3.8	2	0.10	3	-7	Worksop	4.7	-1.1	28	0	40	59.2	—	54.4		
	Nottingham	82	88	7th	50	2nd	78.3	55.7	63.9	+3.9	2	0.68	17	+7	Nottingham	4.5	-1.8	27	0	45	58.9	-0.4	54.0		
Warwick	Birmingham (Edg.)	525	88	6th	48	2nd	71.9	55.4	63.1	+3.4	2	0.09	2	-9	Birmingham	4.6	-0.7	28	0	39	57.2	+2.7	50.0		
Northampton	Raunds	213	91	7th	48	1, 3	75.3	52.9	63.3	+2.7	1	0.03	1	-9	Raunds	5.9	—	36	0	46	62.1	—	-1.3		
Oxford	Oxford	208	89	6th	48	2, 5	74.4	53.6	63.3	+2.4	1	0.16	4	-7	Oxford	6.1	-0.8	37	0	39	—	—	—		
Stafford	Cheadle	646	84	6th	49	1, 2	71.3	54.3	62.2	+4.1	3	0.09	2	-12	Cheadle	—	—	—	0	41	—	—	—		
Worcester	Tenbury	313	87	6th	41	2nd	72.3	53.4	62.2	+2.9	2	0.09	2	-7	Tenbury	—	—	—	0	36					

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
			Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.		
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.	Ft.	h	*F.		*F.		*F.	*F.	*F.		in.	mm.	mm.	Aberystwyth	Hr.	Hr.	%	—	*F.	*F.	*F.	*F.	°F.	
Cardigan	16	h	88	6th	52	2nd	68.3	56.4	61.9	—	4	0.33	8	—	St. Ann's Hd.	2.8	- 3.8	17	—	—	—	—	—	
Pembroke	149	t	75	6th	49	1st	63.4	55.0	58.9	+1.2	6	0.23	6	- 5	Rhayader	3.2	- 4.3	20	—	—	—	—	—	
Radnor	757	a	84	6th	45	2nd	67.9	52.3	59.6	—	2	0.54	14	—	Cardiff	3.9	—	23	0	35	—	—	—	
Glamorgan	202	p	88	6th	47	2nd	70.1	55.1	62.1	+2.5	1	0.04	1	- 12	Cardiff	5.6	—	34	0	44	61.3	+0.5	55.4	- 1.4
8b. ENGLAND, S.W.																								
Somerset	66	h	89	6th	46	2nd	73.0	55.3	63.5	+3.2	1	0.02	1	- 10	Bath	5.9	- 1.5	36	—	—	61.5	—	57.3	—
Dorset	722	a	83	6th	47	2nd	70.1	53.9	61.4	+2.4	0	0.00	0	- 11	Shaftesbury	—	—	—	—	—	61.5	—	55.6	—
Devon	19	t	68	6th	53	3, 4, 5	63.1	55.6	59.1	- 0.2	1	0.12	3	- 4	Weymouth	6.6	—	41	—	—	—	—	—	—
	613	a	83	6th	46	2nd	68.0	54.7	60.9	+3.0	4	0.18	5	- 12	Cullompton	4.9	- 1.8	30	0	39	63.2	—	—	—
	202	a	87	6th	45	2nd	73.1	53.9	62.8	+2.9	1	0.14	3	- 9	Plymouth	6.4	- 1.1	39	0	45	65.4	+2.9	57.4	—
	116	p	83	6th	49	2nd	69.7	57.4	63.1	+2.8	0	0.00	0	- 12										
Cornwall	190	h	80	6th	46	2nd	67.2	56.0	61.2	+2.1	1	0.04	1	- 9	Newquay	5.4	- 2.1	33	—	—	62.0	—	55.6	—
	167	h	70	6, 7	49	2nd	67.0	56.6	61.4	+1.8	1	0.06	2	- 10	Falmouth	5.5	- 2.5	34	0	43	64.3	—	60.8	—
9. IRELAND, N.																								
Donegal	71	t	75	7th	49	1, 4	64.4	52.1	57.8	+1.7	6	0.59	15	+ 3	Malin Head	4.2	—	24	—	—	—	—	—	—
Mayo	10	t	76	6th	49	1st	65.4	51.1	57.8	+0.4	2	0.16	4	- 10										
	120	a	79	6th	51	1st	65.3	54.0	59.3	—	3	0.09	18	—	Mallanry	5.1	—	30	—	—	—	—	—	—
Sligo	122	p	80	6th	47	4th	67.9	52.7	59.8	+3.1	4	0.21	5	- 10	Markree Castle	4.4	- 0.5	26	0	40	60.1	+0.6	54.0	- 0.8
Armagh	204	p	78	6th	48	4th	68.1	53.9	60.5	+2.9	5	0.43	11	- 1	Armagh	3.4	- 1.7	20	0	40	59.2	+0.2	54.6	- 0.6
Down	35	t	69	6th	48	4th	63.7	53.0	58.0	+1.1	7	0.41	10	- 2										
10. IRELAND, S.																								
Dublin	54	p	76	6th	53	1st	69.0	57.9	63.1	+3.5	5	0.80	20	+ 9	Trinity Coll.	—	—	—	0	49	59.3	- 0.4	54.8	- 1.3
King's County	175	t	82	6th	51	1st	68.4	55.7	61.6	+2.6	5	0.29	7	- 6	Phoenix Park	3.5	- 2.4	21	0	43	—	—	—	—
Kilkenny	195	a	80	6th	52	6th	70.0	55.9	62.5	+3.9	5	0.19	5	- 8	Dublin City	—	—	0	49	—	—	—	—	—
Waterford	137	a	78	6th	50	2nd	67.4	55.7	61.1	+2.2	6	0.38	10	- 4	Birr Castle	4.1	- 0.9	24	0	45	—	—	—	—
Seskin, Carrick-on-Suir	542	p	78	6th	50	1st	69.0	54.1	61.0	—	4	0.22	6	—										
Limerick	50	a	80	6th	52	1st	68.6	55.0	61.3	+2.8	4	0.19	5	- 9	Seskin	5.7	—	34	0	44	—	—	—	—
Kerry	30	t	70	6th	50	1st	64.1	54.7	59.1	+0.9	4	0.50	13	- 4										
Killarney	174	a	82	6th	50	1st	69.5	55.9	62.2	+3.6	1	0.14	4	- 11	Cahiriveen (Valencia O.)	2.1	- 3.5	13	0	43	—	—	—	—
Cork	32	t	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra	3.6	- 2.6	22	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																								
Scilly	131	t	71	6th	53	1, 2	66.0	55.3	60.3	+0.8	2	0.06	1	- 11	St. Mary's	4.7	- 3.0	29	—	—	—	—	—	—
Guernsey	173	p	81	6th	52	2nd	69.7	56.1	62.4	+1.6	0	0.00	0	- 11	Grange	8.5	- 0.1	52	0	47	66.4	+4.2	60.9	+1.7
Jersey	25	t	90	6th	50	2nd	72.1	57.0	64.0	+2.8	1	0.01	0.2	- 12	St. Heliers	8.4	- 0.1	52	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 7th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.										
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		o	m.p.h.	m/s.	d. hr.	m.p.h.	m/s.	d. h. m.			
Shetlands Lerwick ...	310	42	+	—	0	—	0	39	90	39	0	240	23	10	3	18	31	14	4	3	0	
Orkneys **Deerness ...	188	16	5	—	0	—	0	29	101	38	0	280	19	9	30	2	—	—	—	—	—	
(Cup Anr.)																						
1. SCOTLAND, E.																						
Aberdeen Aberdeen ...	72	42	+	—	0	—	0	29	107	32	0	190	17	8	3	4	30	13	3	15	20	
Edinburgh Edinburgh ...	485	39	31	—	0	3	1	39	74	54	0	220	25	11	3	3	38	17	3	2	30	
6a. SCOTLAND, W.																						
Renfrew Paisley ...	188	81	15	—	0	—	0	25	92	51	0	190	19	9	2	24	36	16	3	2	40	
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	59	87	22	0	220	24	11	2	23	34	15	{	2	23	15
2. ENGLAND, N.E.																						
Durham South Shields...	72	61	12	—	0	—	0	33	90	45	0	240	20	9	3	12	35	16	3	11	20	
York, E.R. Spurn Head ...	67	41	+	—	0	—	0	31	127	10	0	290	20	9	1	2	25	11	1	2	15	
Lincoln Cranwell ...	280	43	31	—	0	—	0	22	(93)	(53)	0	210	18	8	3	14	21	9	3	9	25	
3. ENGLAND, E																						
Norfolk Gorleston ...	52	42	+	—	0	—	0	27	82	59	0	160	19	9	3	11	23	10	3	11	5	
Essex Shoeburyness...	103	90	+	—	0	—	0	31	104	33	0	—	17	8	{	5 15	23	10	3	12	55	
5. ENGLAND, S.E																						
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	9	119	40	0	70	15	7	6	18	24	11	6	17	55	
Kent Lympne ...	409	70	+	—	0	—	0	31	117	20	0	240	18	8	3	13	28	13	3	13	15	
Surrey Croydon ...	284	40	24	—	0	—	0	1	121	46	0	70	13	6	6	15	21	9	{	3	14	20
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	0	130	38	0	210	12	5	4	13	23	10	{	4	13	5
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	39	115	14	0	210	17	8	3	14	29	13	6	13	55	
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	81	(87)	(0)	0	190	21	9	6	14	26	12	6	13	35	
7a. ENGLAND, N.W.																						
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	—	0	50	111	7	0	300	20	9	1	3	—	—	—	—	—	
Lancashire Southport ...	80	62	48	—	0	—	0	62	101	5	0	230	21	9	3	10	32	14	3	13	45	
7b. NORTH WALES.																						
Anglesey Holyhead ...	64	45	+	—	0	—	0	93	56	19	0	200	21	9	3	{	8	35	16	3	8	35
8b. ENGLAND, S.W.																						
Devon Plymouth	185	88	2	—		Under repair.																
Cornwall Pendennis Castle...	256	65	24	—	0	—	0	57	86	18	7	230	23	10	3	12	29	13	3	10	40	
10. IRELAND, S.																						
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	—	0	28	111	29	0	200	17	7	3	2	—	—	—	—	—	
Clare Quilty ...	100	40	+	—	0	—	0	11	78	31	0	—	18	8	7	17	26	12	7	16	50	
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	—	0	48	94	26	0	220	20	9	3	2	29	13	2	16	20	
Cork Weaver Pt. ...	160	30	+	—	0	—	0	56	76	36	0	—	19	9	6	12	30	13	3	2	15	
11a. SCILLY ISLES.																						
Scilly St. Mary's	150	32	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SEVENTH WEEK of 1923—July 1st to July 7th, 1923.																				
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall					Sunshine.			Mean Pressure at M.S.L.	
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration			
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal										
0. SCOTLAND, NORTH .. Eastern.	80	42	63.0	50.6	56.4	+1.8	day- deg. F. 101	day- deg. F. +15	day- deg. F. 0	day- deg. F. 0	4	0	inches. 0.67	mm. 17	mm. - 2	hr. 5.0	hr. +0.8	% 28	mb. 1013	
1. SCOTLAND, EAST ..	82	39	66.8	51.0	58.3	+2.0	114	+16	0	0	3	- 1	0.26	7	- 9	4.3	- 1.0	24	1016	
2. ENGLAND, N.E. ..	91	47	69.7	53.6	61.1	+2.9	134	+21	0	0	2	- 1	0.20	5	- 8	5.5	- 0.9	33	1018	
3. ENGLAND, EAST ..	89	45	72.8	54.6	63.0	+3.1	147	+22	0	0	1	- 2	0.07	2	- 9	7.5	+0.5	45	1019	
4. MIDLAND COUNTIES	91	41	72.9	54.3	62.9	+3.4	146	+24	0	0	2	- 1	0.16	4	- 7	4.9	- 1.6	30	1018	
5. ENGLAND, S.E. ..	90	44	72.0	54.4	62.6	+2.1	144	+14	0	0	0	- 3	0.02	1	- 10	8.0	+0.6	49	1019	
Western.																				
6. SCOTLAND, WEST (and Isle of Man)	86	48	66.9	53.9	59.9	+2.9	125	+20	0	0	5	+ 1	0.55	14	- 3	—	—	—	1016	
7. ENGLAND, N.W. (and North Wales)	87	46	69.0	55.1	61.6	+3.3	137	+23	0	0	3	0	0.25	6	- 7	3.7	- 2.7	22	1017	
8. ENGLAND, S.W. (and South Wales)	89	45	68.5	55.0	61.3	+2.1	135	+15	0	0	2	- 1	0.13	3	- 10	4.8	- 2.3	29	1018	
9. IRELAND, NORTH ..	82	47	66.3	53.1	59.3	+2.2	121	+16	0	0	5	+ 1	0.35	9	- 4	3.9	- 1.2	23	1014	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.3	- 1.8	20	—	
11. CHANNEL ISLANDS (and Scilly)	90	50	69.3	56.1	62.2	+1.9	141	+13	0	0	1	- 2	0.02	1	- 11	7.2	- 1.1	45	1019	
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.1	- 1.2	31	—	
THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, June 3rd to July 7th, 1923.																				
0. SCOTLAND, NORTH .. Eastern.	80	32	57.0	46.2	51.2	- 1.8	322	- 65	0	- 1	22	+ 3	3.63	92	+ 9	3.5	- 1.4	19	1014	
1. SCOTLAND, EAST ..	82	27	60.7	46.2	52.9	- 1.6	382	- 54	0	- 1	17	0	1.30	34	- 32	4.6	- 1.2	26	1016	
2. ENGLAND, N.E. ..	91	36	62.2	48.2	54.7	- 1.3	446	- 43	0	0	13	- 2	0.99	25	- 35	5.1	- 1.1	30	1019	
3. ENGLAND, EAST ..	89	31	64.2	48.8	55.9	- 1.9	487	- 67	0	0	11	- 4	0.77	20	- 38	5.4	- 1.5	33	1019	
4. MIDLAND COUNTIES	91	34	64.8	49.0	56.3	- 1.2	502	- 42	0	0	10	- 5	0.68	18	- 45	4.5	- 1.8	27	1020	
5. ENGLAND, S.E. ..	90	30	64.9	49.6	56.7	- 1.8	515	- 62	0	0	5	- 9	0.44	13	- 43	5.4	- 1.8	33	1020	
Western.																				
6. SCOTLAND, WEST (and Isle of Man)	86	31	59.9	48.0	53.5	- 2.1	404	- 75	0	0	19	+ 1	2.56	64	- 21	—	—	—	1018	
7. ENGLAND, N.W. (and North Wales)	87	33	60.5	50.1	54.9	- 1.8	453	- 61	0	0	14	- 2	1.00	25	- 45	4.4	- 2.1	26	1020	
8. ENGLAND, S.W. (and South Wales)	89	36	63.2	50.5	56.4	- 1.0	505	- 35	0	0	8	- 8	0.82	20	- 50	5.8	- 1.0	35	1021	
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.5	- 2.9	15	1020	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 2.2	22	—	
11. CHANNEL ISLANDS (and Scilly)	90	42	62.9	52.1	57.2	- 1.2	531	- 43	0	0	5	- 10	0.40	11	- 43	7.6	- 0.4	47	1023	
MEAN: DISTRICTS 1-10..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.6	- 1.7	27	—	
THE YEAR. Aggregates, &c., for the Period of 27 Weeks, December 31st, 1922, to July 7th, 1923.																				
0. SCOTLAND, NORTH .. Eastern.	80	24	49.3	39.0	44.0	+0.5	689	-108	317	-199	121	- 2	24.27	617	+ 4	3.4	- 0.1	26	1010	
1. SCOTLAND, EAST ..	82	20	49.6	38.2	43.7	0.0	739	-170	419	-165	112	+ 7	14.41	369	+10	3.2	- 0.9	25	1011	
2. ENGLAND, N.E. ..	91	25	51.1	40.0	45.4	+0.4	930	- 94	294	-156	96	+ 1	10.76	275	- 7	3.7	- 0.7	28	1013	
3. ENGLAND, EAST ..	89	23	53.0	41.0	46.8	+0.9	1142	- 66	234	-233	93	0	9.23	232	- 42	3.8	- 0.9	30	1014	
4. MIDLAND COUNTIES	91	22	53.0	40.2	46.4	+0.6	1108	-106	280	-214	99	+ 7	13.56	345	+34	3.2	- 1.0	25	1014	
5. ENGLAND, S.E. ..	90	22	53.9	41.8	47.6	+0.6	1243	- 63	183	-174	92	+ 2	13.10	335	+30	3.9	- 0.9	30	1014	
Western.																				
6. SCOTLAND, WEST (and Isle of Man)	86	20	51.4	39.8	45.4	0.0	923	-111	279	-111	113	+ 1	20.98	530	- 12	—	—	—	1012	
7. ENGLAND, N.W. (and North Wales)	87	24	51.7	41.5	46.4	+0.4	1023	- 85	185	-175	107	+ 8	14.53	369	- 20	3.7	- 0.6	28	1013	
8. ENGLAND, S.W. (and South Wales)	89	24	53.2	42.5	47.7	+0.6	1205	- 51	133	-151	104	+ 5	18.85	478	+44	4.0	- 0.7	31	1014	
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	- 0.6	26	1012	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly)	90	32	54.6	45.7	50.0	+0.6	1520	+32	3	- 97	112	+ 8	16.68	425	+66	4.7	- 0.8	37	1015	
MEAN: DISTRICTS 1-10 ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.	

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 28.
Vol. XL. (New Series) }

TWENTY-EIGHTH WEEK.

SUNDAY, JULY 8TH, TO SATURDAY, JULY 14TH, 1923.

Price 9d. Net, Post free 9d.
Annual Subscription
(including Postage), 22 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

In the early part of the week, the anticyclone situated over the southern half of the British Isles was displaced by shallow depressions, and cloudy conditions with some rain prevailed in the western parts of the country. A severe thunderstorm accompanied by the most violent floods within local memory occurred on the 8th at Carrbridge (Inverness). Four substantially built bridges and nearly 600 yards of permanent way of the Highland Railway were destroyed. On the evening of the 9th exceptionally severe thunderstorms occurred in the Midland Counties and in England S.E. In London the storms lasted throughout the night. Heavy rainfalls were associated with these thunderstorms. Amongst the heaviest falls recorded were 52mm. at Kew, 43mm. at Eastbourne, 38mm. at Rothamsted, 30mm. at Cheadle, 29mm. at Raunds, 25mm. at Seskin, 22mm. at Wisley. By July 11th the shallow depressions had filled up and a ridge of high pressure extended across the British Isles. Fine hot weather was generally experienced until the end of the week. The hottest days were the 12th and 13th. In England E. and S.E. and the Midland Counties, day-maxima exceeded 90°F. at most

stations. The actual highest maximum recorded was 96°F. which occurred at Camden Square, London on the 13th. Temperature was well above normal in all districts, the excess above normal ranging from 9·8°F. in England E. to 3·4°F. in Ireland N. The observer at Tenbury states that the maximum on July 12th (91°F.) was the highest shade temperature recorded at this station during 23 years. At Falmouth the maximum for July 12th (85°F.) was the highest ever registered at the Observatory. The rainfall for the week was below normal in Scotland, Ireland and England S.W. and N.W. and the Channel Isles. Elsewhere it was slightly above normal, the greatest excess over normal occurring in the Midland Counties. Abundant records of sunshine were obtained during the week. Amongst the highest daily amounts recorded were 15·5 hours at Seskin, 15·2 hours at Aspatria on the 12th; 15·0 hours at Folkestone, 14·8 hours at Hastings and Armagh, and 14·7 at Cambridge on the 9th. Solar halos were observed at Oxford on July 9th, 10th, 12th, and 13th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM			SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
			Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.	
				m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	...	...	16	7	3.1	6	6	2.5	2	4	1.6	11	5	2.3	11	10	4.5	—	—	—	10	10	4.4	11	12	5.5
North	...	...	4	3	1.5	7	3	1.5	7	5	2.2	4	2	0.7	13	6	2.7	—	—	—	10	5	2.3	14	6	2.9
West	...	...	6	10	4.4	10	9	4.0	2	4	2.0	9	4	1.6	16	4	1.8	—	—	—	10	7	3.3	8	5	2.1
East	...	...	13	5	2.1	7	6	2.9	8	3	1.4	10	6	2.7	5	4	1.7	—	—	—	12	4	2.0	16	5	2.2
Calm (or wind- speed < 4 m.p.h.)			5	—	—	11	—	—	18	—	—	8	—	—	4	—	—	—	—	—	6	—	—	3	—	—
No record	...		3	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	(Warmth ..	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	—	Very Unusual	
	(Rainfall ..	Light	Light	Moderate	Moderate	Heavy	Moderate	Light	Light	Light	Very Light	Light	
	(Sunshine ..	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	—	Abundant	Moderate	Abundant	Very Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 6 weeks from June 3rd, 1923.															Warmth	..	2, 0, 4	2, 1, 3	2, 0, 4	2, 0, 4	2, 0, 4	2, 0, 4	2, 0, 4	2, 0, 4	2, 1, 3	—	—	2, 1, 3
															Rainfall	..	2, 2, 2	0, 2, 4	0, 3, 3	0, 3, 3	1, 0, 5	0, 2, 4	1, 3, 2	0, 1, 5	0, 1, 5	—	—	0, 1, 5
															Sunshine	..	2, 1, 3	0, 3, 3	1, 3, 2	1, 2, 3	0, 2, 4	1, 1, 4	—	1, 0, 5	0, 4, 2	1, 1, 4	1, 0, 5	1, 2, 3

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

114 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.		Ft.		°F.		°F.		°F.		°F.					hr.	hr.	%		°F.	°F.	°F.	°F.	°F.			
Shetlands	Lerwick	54	t	63	10th	52	12, 13, 14	60.1	52.7	56.1	+4.5	3	0.80	20	+9	Lerwick	..	3.9	—	—	—	—	—			
Orkneys	Deerness	160	p	67	12th	48	12th	61.7	51.6	56.3	+3.8	3	1.20	31	+18	Deerness	..	5.6	+0.8	31	—	—	—			
Hebrides	Stornoway	51	t	70	11th	—	—	65.6	—	—	—	—	—	—	—	Stornoway	..	5.9	+0.8	33	—	—	—			
	Castlebay	37	t	65	10th	53	11, 14	61.0	54.7	57.6	—	4	0.30	8	—	Castlebay	..	5.9	—	34	—	—	—			
Caithness	Wick	81	t	71	12th	50	9th	61.0	51.9	56.1	+2.7	3	1.17	30	+17											
Ross and Cromarty	Strathpeffer	125	t	75	8th	53	14th	72.0	55.6	63.2	+7.5	2	0.51	13	0											
	Achnashellach	225	a	75	11th	52	14th	69.6	55.1	61.9	—	4	0.14	3	—	Achnashellach	..	—	—	—	—	—	—			
Inverness	Inverness	242	a	72	8th	51	13th	69.0	55.4	61.7	—	2	0.39	10	—	Inverness	..	6.7	—	39	0	45	—	—		
	Fort Augustus	68	a	74	11th	50	13th	69.1	54.3	61.2	+5.7	1	0.19	5	-9											
	Onich	48	a	76	11th	53	13, 14	69.7	55.7	62.2	—	5	0.59	15	—	Onich	..	6.4	—	37	0	49	—	—		
1. SCOTLAND, E.																										
Nairn	Nairn	82	t	72	12th	50	13th	68.7	54.6	61.2	+4.9	3	0.71	18	+3	Nairn	..	5.6	—	32	—	—	—	—		
Elgin	Gordon Castle	101	p	73	8, 10, 12	54	13th	71.4	56.3	63.3	+7.0	3	0.58	15	-3	Gordon Castle	..	5.1	—	29	—	—	—	—		
Aberdeen	Aberdeen	46	t	81	12th	52	14th	69.0	54.1	61.0	—	3	0.74	19	+3	Aberdeen	..	3.8	-1.7	22	0	44	—	52.9	+0.3	
	Balmoral	930	a	75	8th	47	9th	70.4	51.4	60.2	+5.9	1	0.07	2	-13	Balmoral	..	—	—	—	0	40	—	—		
Perth	Crieff	478	p	75	11th	47	13th	71.4	54.1	62.2	+4.4	3	0.45	11	-6	Dumfries (Kinc.) Crathes	..	3.4	-1.9	20	0	43	59.6	—	50.9	
Forfar	Dundee	147	a	81	12th	50	13th	72.1	53.0	61.9	—	1	0.05	1	—	Dundee	..	6.3	—	37	0	43	60.9	—	—	
Fife	Inchkeith	190	t	71	12th	53	13th	67.6	54.9	60.8	—	1	0.02	0.4	—	Inchkeith	..	6.2	—	36	0	47	—	—	—	
Midlothian	Edinburgh	441	p	78	12th	53	13th	69.1	55.1	61.6	+5.1	2	0.27	7	-8	Edinburgh	..	6.3	+0.5	37	0	49	—	—	—	
Peebles	West Linton	770	a	78	11th	57	13th	71.3	43.6	56.5	+2.0	4	0.12	3	—	West Linton	..	—	—	—	0	36	—	—	—	
Berwick	Marchmont	498	a	80	12th	50	9, 10	70.9	54.0	61.9	+5.6	2	0.18	5	-13	Marchmont	..	6.5	+0.7	38	—	—	—	—	—	
6a. SCOTLAND, W.																										
Argyle	Ford	149	a	78	11th	50	12, 13	71.0	53.9	61.9	—	4	0.39	10	—	Ford	..	—	—	—	0	50	62.3	—	54.5	—
Renfrew	Renfrew	49	t	76	11th	46	13th	71.1	54.6	62.3	—	2	0.54	14	—	Renfrew	..	4.9	—	29	0	36	—	—	—	
Bute	Rothsay	200	p	74	11th	51	13th	69.3	54.3	61.3	+4.2	3	0.29	7	-18	Rothsay	..	7.6	—	45	0	46	61.7	—	55.0	+0.3
Ayr	Kilmarnock	90	a	78	13th	45	13th	74.6	55.1	64.2	+7.6	2	0.30	8	-11	Kilmarnock	..	6.8	—	40	—	—	61.2	—	53.2	—
	Colmonell	170	a	77	14th	51	13th	71.4	55.6	63.0	+7.0	3	0.14	4	-16	Colmonell	..	—	—	—	0	45	—	—	—	
Dumfries	Dumfries	140	p	79	11, 13	52	12th	74.0	55.7	64.2	+5.8	3	0.63	16	-3	Dumfries	..	7.7	—	45	0	48	62.4	+2.1	54.2	-2.9
	Eskdalemuir	794	t	77	11th	47	19th	71.4	52.1	61.1	—	2	0.28	7	—	Eskdalemuir	..	6.6	—	39	0	45	—	—	—	—
6b. ISLE OF MAN.																										
I. of Man	Douglas	284	a	76	11, 12	54	8th	71.6	57.4	64.0	+7.0	2	0.18	5	-14	Douglas	..	10.3	+3.2	62	0	53	—	—	—	—
2. ENGLAND, N.E.																										
Northumberland	Cockle Park	324	p	82	12th	47	9th	71.4	52.6	61.4	+5.0	2	0.36	9	-4	Cockle Park	..	7.3	+1.7	43	0	42	62.3	+4.6	55.2	+0.9
	Tynemouth	118	t	75	12th	53	11th	65.3	56.3	60.5	+2.9	3	0.56	14	+2	Tynemouth	..	—	—	—	0	46	—	—	—	—
Durham	Durham	336	t	83	12th	46	9th	72.0	53.7	62.2	+3.7	2	0.29	7	-6	Durham	..	6.1	+0.6	36	0	37	—	—	—	—
York	Rounton	249	p	83	12th	49	9th	72.9	55.3	63.5	+5.7	2	0.65	17	+3	Rounton	..	—	—	—	0	32	61.3	—	—	—
N. Riding	West Witton	605	a	—	—	—	—	—	—	—	—	—	—	—	—	West Witton	..	—	—	—	—	—	—	—	—	—
	Scarborough	118	a	75	12th	53	14th	68.1	57.0	62.2	+3.2	2	0.59	15	+3	Scarborough	..	6.2	+0.4	37	—	—	—	—	58.6	—
	York	56	p	87	12th	57	11th	77.9	59.3	68.0	+7.7	3	0.64	16	+3	Scarborough	..	6.4	+0.7	39	—	—	62.4	+3.6	55.2	-0.2
E. Riding	Spurn Head	26	t	76	12th	55	11th	67.3	58.1	62.4	+2.9	2	0.13	3	-6	Spurn Head	..	7.6	—	46	—	—	—	—	—	—
Lincoln	Lincoln	58	a	91	12th	55	9th	79.6	61.4	69.9	+8.9	2	1.09	28	+17	Lincoln	..	—	—	—	0	51	64.9	+4.8	55.9	-0.2
	Cranwell	237	t	89	12th	49	9th	78.3	59.0	68.0	+7.4	2	0.98	25	+13	Cranwell	..	9.0	+2.3	55	0	42	—	—	—	—
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	..	10.0	+2.9	61	—	—	—	—	—	—
3. ENGLAND, E.																										
Norfolk	Cromer	196	a	84	12th	57	10th	76.1	60.4	67.7	+8.2	2	0.02	0.4	-11	Cromer	..	11.2	+4.5	68	—	—	—	—	—	—
	Yarmouth	13	t	80	14th	59	8, 9, 10	74.0	60.9	67.0	+6.9	1	0.02	1	-12	Yarmouth	..	11.2	—	88	—	—	67.6	+4.9	58.9	+0.2
	Norwich	93	a	94	11th	57	9th	85.8	59.8	71.9	+11.2	1	0.05	1	-14	Norwich	..	11.0	—	67	0	49	68.9	—	—	—
	Geldeston	37	a	92	11th	56	9th	83.1	58.9	70.2	+9.9	1	0.17	4	-9	Geldeston	..	10.7	+3.8	65	—	—	—	—	—	—
Cambridge	Cambridge	41	p	94	13th	49	9th	85.3	60.4	72.0	+10.8	1	0.54	14	+2	Cambridge	..	10.5	+3.9	65	0	46	67.0	+5.0	57.1	-1.1
Hertford	Rothamsted	420	a	89	13th	47	9th	81.3	59.6	69.7	+9.6	2	2.26	57	+44	Rothamsted	..	9.6	+2.9	59	0	39	66.4	—	—	—
Middlesex	Tottenham	51	t	92																						

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature							
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week			Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean											Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.	*F.		*F.		*F.		*F.						Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.				
Cardigan	Aberystwyth ...	16	h	73	12th	57	8th	70.0	59.1	64.2	-	1	0.01	0.3	-	Aberystwyth	7.7	+1.6	47	-	-	-	-			
Pembroke	St. Ann's Hd. ...	149	t	77	12th	55	8th	68.0	57.0	62.1	+4.2	3	0.28	7	- 6	St. Ann's Hd.	6.9	0.0	42	-	-	-	-			
Radnor	Rhayader...	757	a	86	12th	54	10th	78.0	57.9	67.3	-	2	0.06	1	-	Rhayader ..	6.0	-	36	0	47	-	-			
Glamorgan	Cardiff ...	202	p	90	12th	57	8th	79.7	60.7	69.5	+9.7	1	0.04	1	- 15	Cardiff ..	8.0	-	49	0	52	66.9	+5.7	57.1	- 0.1	
8b. ENGLAND, S.W.																										
Somerset	Bath ...	66	h	93	12th	53	9th	82.4	61.3	71.1	+10.4	1	0.08	2	- 11	Bath ..	7.5	+0.5	40	-	-	66.5	-	59.0	-	
Dorset	Shaftesbury ...	722	a	88	12th	52	9th	80.4	59.9	69.4	+10.0	0	0.00	0	- 14	Shaftesbury ..	-	-	-	-	-	67.4	-	58.1	-	
	Portland Bill ...	19	t	88	12th	54	9th	70.7	59.1	64.5	+4.8	3	0.25	6	- 3	Weymouth ..	9.2	-	57	-	-	-	-	-	-	
Devon	Arlington ...	613	a	86	13th	55	9, 10	76.9	58.8	67.2	+6.1	3	0.67	17	- 4											
	Cullompton ...	202	a	92	12th	56	9th	82.1	59.6	70.1	+9.9	2	0.25	6	- 8	Cullompton ..	6.9	+0.7	43	0	52	68.7	-	-	-	
	Plymouth...	116	p	87	12th	59	9, 12	75.9	60.4	67.6	+7.1	2	0.23	6	- 9	Plymouth ..	7.0	0.0	43	0	53	68.2	+5.0	58.9	-	
Cornwall	Newquay ...	190	h	78	13th	54	12th	70.1	58.1	63.7	+4.2	2	0.11	3	- 9	Newquay ..	6.8	- 0.2	42	-	-	64.1	-	56.7	-	
	Falmouth...	167	h	85	12th	54	8th	74.4	58.7	66.0	+6.1	1	0.11	3	- 12	Falmouth ..	7.7	+0.3	48	0	49	68.3	-	62.3	-	
9. IRELAND, N.																										
Donegal	Malin Head ...	71	t	70	9th	52	11th	63.4	55.3	59.1	+3.0	3	0.17	4	- 12	Malin Head ..	6.2	-	36	-	-	-	-	-	-	
Mayo	Blackod Point ...	10	t	69	8, 9	48	11th	65.7	52.4	58.6	+1.3	4	0.47	12	- 6											
	Mallarany ...	120	a	73	9, 10	51	13, 14	70.0	54.9	61.9	-	4	0.82	21	-	Mallarany ..	7.5	-	45	-	-	-	-	-	-	
Sligo	Markree Castle ...	122	p	75	11th	44	14th	70.4	51.6	60.4	+3.7	3	0.32	8	- 12	Markree Castle	6.1	+1.4	37	0	41	63.9	+3.7	55.1	- 0.2	
Armagh	Armagh ...	204	p	79	11th	51	14th	71.6	54.4	62.4	+4.8	3	0.13	3	- 14	Armagh ..	8.0	+2.9	47	0	44	63.1	+3.3	56.3	+0.5	
Down	Donaghadee ...	35	t	70	8, 12	53	13th	66.6	55.0	60.4	+3.4	3	0.10	3	- 13											
10. IRELAND, S.																										
Dublin	Dublin City ...	54	p	76	11th	56	10, 14	71.0	57.7	63.9	+4.1	1	0.04	1	- 14	Trinity Coll.	-	-	-	0	50	63.0	+2.6	56.3	- 0.3	
King's County	Birr Castle ...	175	t	79	11th	50	14th	72.0	53.4	62.1	+4.0	2	0.10	3	- 14	Phoenix Park	9.1	+3.3	55	0	42	-	-	-	-	
Kilkenny	Kilkenny ...	195	a	81	11, 12	51	8th	74.6	54.4	63.8	+5.1	2	0.13	3	- 13	Dublin City ..	-	-	-	0	52	-	-	-	-	
Waterford	Wentford ...	137	a	86	12th	53	8th	78.0	56.9	65.8	+6.8	3	0.32	8	- 10	Birr Castle ..	0.5	+1.6	30	0	43	-	-	-	-	
	Seskin, Carrick-on-Suir	542	p	81	11th	50	8th	72.9	53.9	62.7	-	2	1.44	37	-	Seskin ..	9.0	-	55	0	41	-	-	-	-	
Limerick	Foynes ...	50	a	78	10th	54	8, 14	72.3	55.6	63.4	+4.9	2	0.34	9	- 9											
Kerry	Cahirciveen (Val.O.)	30	t	71	13th	49	11th	66.4	55.6	60.6	+2.3	4	0.63	16	- 6	Cahirciveen	9.1	+3.7	56	0	44	-	-	-	-	
	Killarney ...	174	a	81	11, 13	55	8, 12	68.9	57.1	62.6	+4.0	3	0.50	13	- 3	(Valencia O.)	-	-	-	-	-	-	-	-	-	
Cork	Roche's Point ...	32	t	75	11, 13	55	8, 12	68.9	57.1	62.6	+4.0	3	0.50	13	- 3	Ballinacurra	7.6	+1.5	47	-	-	-	-	-	-	
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's ...	131	t	74	13th	53	10th	67.7	56.9	61.9	+1.7	3	0.41	11	- 1	St. Mary's ..	5.0	- 2.3	31	-	-	-	-	-	-	
Guernsey	Grange ...	173	p	77	13th	57	8, 9	74.0	59.7	66.4	+4.9	1	0.08	2	- 9	Grange ..	9.5	+1.2	60	0	52	73.0	+10.2	63.2	+3.5	
Jersey	St. Aubins ...	25	t	87	13th	54	9th	78.4	60.6	68.9	+7.0	1	0.01	0.2	- 11	St. Heliers ..	9.0	+0.8	56	-	-	-	-	-	-	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 14th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	†	—	0	12, 13	3	44	86	35	0	260	25	11	12	21	33	15	12	20	45
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	—	0	30	100	24	14	290	18	8	12	19	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	†	—	0	—	0	2	99	67	0	60 } 170 }	13	5	{ 13 14 } { 14 15 }	21	9	14	14	35	
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	14	87	67	0	290	17	8	12	18	24	11	12	13	50
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	2	123	43	0	170	14	6	9	7	25	11	13	20	25
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	27	93	43	5	360	19	8	10	12	27	12	10	11	40
2. ENGLAND, N.E.																					
Durham South Shields...	72	81	12	—	0	—	0	21	86	61	0	160	13	8	9	18	26	12	9	18	35
York, E.R. Spurn Head ...	67	41	†	—	0	—	0	60	100	8	0	20	23	10	10	11	32	14	10	11	40
Lincoln Cranwell ...	280	43	31	—	0	—	0	13	(94)	(61)	0	40	16	7	13	16	19	9	13	15	25
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	†	—	0	—	0	1	52	115	0	10	13	6	10	9	23	10	8	7	40
Essex Shoeburyness...	103	90	†	—	0	—	0	14	90	64	0	—	17	8	10	12	26	12	10	18	55
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	0	89	79	0	170	12	5	13	15	22	10	10	18	40
Kent Lympne ...	409	70	†	—	0	—	0	19	113	36	0	30	20	9	10	8	30	13	10	8	10
Surrey Croydon ...	284	40	24	—	0	—	0	1	99	68	0	130	13	6	10	18	52	23	10	18	15
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	0	98	68	2	230	10	5	8	18	22	10	14	2	0
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	10	116	42	0	130	16	7	13	13	26	12	13	13	25
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	39	(119)	(0)	10	100	20	9	13	13	25	11	13	12	45
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	—	0	21	121	26	0	310	19	9	12	21	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	—	0	52	100	16	0	260	20	9	8	13	26	12	8	12	50
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	†	—	0	—	0	38	85	45	0	160 } 360 }	19	9	{ 9 10 } { 13 11 }	31	14	{ 8 22 } { 9 3 20 }	—	—	—
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cornwall Pendernis Castle ...	256	65	24	—	0	—	0	34	68	66	0	200	21	9	9	1	25	11	9	0	5
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	—	0	33	101	34	0	170	18	8	8	21	—	—	—	—	—
Clare Quilly ...	100	40	†	—	0	—	0	38	102	28	0	—	24	11	9	14	32	14	9	13	50
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	—	0	62	72	34	0	150	22	10	8	12	34	15	8	12	35
Cork Weaver Pt. ...	160	30	†	—	0	—	0	46	95	27	0	—	23	10	9	11	31	14	9	12	15
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

(Direction from the Robinson Anemometer at Falmouth Observatory)

**For Deerness the week ends at midnight on Friday.

†Standard mounting

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		TWENTY-EIGHTH WEEK of 1923—July 8th to July 14th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		76	50	66.7	54.2	60.0	+6.0	126	+37	0	0	3	-1	0.52	13	-4	6.1	+1.5	34	1020
Eastern.																				
1. SCOTLAND, EAST ..		81	37	70.1	52.9	60.9	+4.4	132	+32	0	0	3	-1	0.36	9	-8	5.3	-0.1	38	1021
2. ENGLAND, N.E. ..		91	46	72.5	57.0	64.2	+5.3	155	+39	0	0	2	-1	0.59	15	+2	7.5	+1.4	45	1021
3. ENGLAND, EAST ..		94	47	81.0	60.9	70.3	+9.8	198	+68	0	0	1	-2	0.56	14	+1	10.7	+3.9	65	1020
4. MIDLAND COUNTIES ..		95	47	79.8	59.5	68.9	+9.1	188	+64	0	0	3	0	0.93	24	+11	6.9	+0.9	42	1020
5. ENGLAND, S.E. ..		93	46	81.3	60.9	70.4	+9.1	199	+66	0	0	2	-1	0.49	12	+1	10.7	+3.5	66	1019
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		79	45	71.9	55.2	63.0	+5.9	147	+42	0	0	3	-1	0.35	9	-13	—	—	—	1021
7. ENGLAND, N.W. (and North Wales)		89	44	73.3	57.5	64.9	+6.2	160	+43	0	0	2	-1	0.32	8	-9	8.9	+2.6	53	1020
8. ENGLAND, S.W. (and South Wales)		93	52	76.9	59.3	67.5	+8.0	179	+57	0	0	2	-1	0.20	5	-11	7.0	+0.5	43	1019
9. IRELAND, NORTH ..		79	44	68.3	53.7	60.5	+3.4	129	+24	0	0	3	-1	0.21	5	-13	7.0	+2.1	42	1020
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.1	+2.6	49	1019
11. CHANNEL ISLANDS (and Scilly)		87	53	73.4	59.1	65.7	+4.7	166	+33	0	0	2	-1	0.17	4	-8	7.8	-0.1	49	1019
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.0	+1.9	49	1020
THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks June 3rd to July 14th, 1923																				
0. SCOTLAND, NORTH ..		80	32	58.6	47.5	52.7	-0.5	448	-28	0	-1	25	+2	4.15	105	+5	3.9	-1.0	22	1015
Eastern.																				
1. SCOTLAND, EAST ..		82	27	62.3	47.3	54.3	-0.5	514	-22	0	-1	20	-1	1.66	43	-40	4.8	-1.0	27	1017
2. ENGLAND, N.E. ..		91	36	63.9	49.7	56.3	-0.2	601	-4	0	0	15	-3	1.58	40	-33	5.5	-0.7	33	1019
3. ENGLAND, EAST ..		94	31	67.0	50.8	58.3	0.0	685	+1	0	0	12	-6	1.33	34	-37	6.3	-0.6	38	1019
4. MIDLAND COUNTIES ..		95	34	67.3	50.7	58.4	+0.5	690	+22	0	0	13	-5	1.61	42	-34	4.9	-1.3	29	1020
5. ENGLAND, S.E. ..		93	30	67.6	51.5	59.0	+0.1	714	+4	0	0	7	-10	0.93	25	-42	6.3	-0.9	39	1020
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	31	61.9	49.2	55.1	-0.7	551	-33	0	0	22	0	2.91	73	-34	—	—	—	1018
7. ENGLAND, N.W. (and North Wales)		89	33	62.7	51.3	56.6	-0.4	613	-18	0	0	16	-3	1.32	33	-54	5.2	-1.3	31	1020
8. ENGLAND, S.W. (and South Wales)		93	36	65.5	51.9	58.3	+0.6	684	+22	0	0	10	-9	1.27	32	-54	6.0	-0.8	37	1021
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.3	-2.0	19	1020
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.4	-1.4	27	—
11. CHANNEL ISLANDS (and Scilly)		90	42	64.7	53.3	58.6	-0.3	697	-10	0	0	7	-11	0.57	15	-51	7.7	-0.3	47	1022
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.2	-1.1	31	—
THE YEAR. Aggregates, &c., for the Period of 28 Weeks, December 31st, 1922, to July 14th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	49.9	39.6	44.5	+0.6	815	-71	317	-199	124	-3	24.79	630	0	3.5	-0.1	26	1010
Eastern.																				
1. SCOTLAND, EAST ..		82	20	50.4	38.7	44.3	+0.1	871	-138	419	-165	115	+6	14.77	378	+2	3.3	-0.8	25	1011
2. ENGLAND, N.E. ..		91	25	51.9	40.6	46.0	+0.5	1085	-55	294	-156	98	0	11.35	290	-5	3.8	-0.7	29	1013
3. ENGLAND, EAST ..		94	23	54.0	41.7	47.6	+1.1	1340	+2	234	-233	94	-2	9.79	246	-41	4.1	-0.6	31	1014
4. MIDLAND COUNTIES ..		95	22	54.0	40.9	47.2	+0.9	1296	-42	280	-214	102	+7	14.49	369	+45	3.3	-0.9	26	1014
5. ENGLAND, S.E. ..		93	22	54.9	42.4	48.4	+0.8	1442	+3	183	-174	94	+1	13.59	347	+31	4.1	-0.8	32	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	52.1	40.4	46.0	+0.2	1070	-69	279	-111	116	0	21.33	539	-25	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		89	24	52.5	42.1	47.1	+0.7	1183	-42	185	-175	109	+7	14.85	377	-29	3.8	-0.6	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	54.1	43.1	48.4	+0.8	1384	+6	133	-151	106	+4	19.30	490	+40	4.1	-0.6	32	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	-0.5	27	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		90	32	55.3	46.2	50.6	+0.8	1686	+65	3	-97	114	+7	16.85	429	+58	4.9	-0.7	38	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 29.
Vol. XL. (New Series)

TWENTY-NINTH WEEK.

SUNDAY, JULY 15TH, TO SATURDAY, JULY 21ST, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions prevailed over the southern parts of the British Isles for the greater part of the week, while the northern districts were more or less under the influence of depressions over the Iceland region. Rain fell in places, but the general character of the weather was fair and warm, with westerly or south-westerly winds. Thunderstorms occurred in places and in some parts rainfall amounts of 20mm. and more were obtained. Among the heaviest falls were 40mm. at Geldeston, near Beccles on the 15th, (33mm. of which fell in three quarters of an hour), while Cromer had a fall of 29mm. and Norwich 20mm. on the same date. The heaviest falls in Scotland occurred on the 21st, Onich (Inverness) having 30mm. and Ford (Argyll) 29mm. The total amount of rainfall for the week was below the normal in all Districts with the exception of Scotland N. and Scotland W. where it was above normal. The highest temperatures occurred during the latter half of the week in most places and in some of the eastern and south-eastern parts of England maximum temperatures of 80°F. and above were recorded, the actual

highest reading, 85°F., being registered in London (Camden Square) on the 20th. Screen minimum temperatures of 36°F. at West Linton (Peebles) and 37°F. at Achnashellach (Ross-shire) were recorded on the 19th, but in most parts of our Islands the nights were decidedly warm. The mean temperature for the week was in excess of the normal in all Districts. The total amount of sunshine for the week was above the normal in the eastern parts of the Kingdom, but in the western Districts it was below. The sunniest days of the week over the country generally were the 20th and 21st. Among the largest amounts recorded on the 20th were 14·8 hours at Torquay and 14·1 hours at Ross-on-Wye, while on the 21st Cromer and Margate had records of 14·2 hours. The departure of the mean duration from the normal for the week ranged from +2·1 hours at Birmingham, Cranwell and York to -3·3 hours at Jersey (St. Heliers). Solar halos were observed at Birmingham and Oxford on the 19th. A lunar halo was seen at Guernsey on the 21st.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Seilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahiriveen.			
	Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	23	7	3·3	10	6	2·5	12	5	2·1	22	5	2·1	26	10	4·6	—	—	—	—	—	—	—	—	—	23	7	3·3	22	6	2·5	—	—
North ...	3	4	1·6	2	3	1·3	4	5	2·1	0	—	—	0	—	—	—	—	—	—	—	—	—	—	—	1	2	1·1	4	2	1·0	—	—
West ...	19	9	3·8	26	16	7·1	17	8	3·4	27	6	2·9	28	10	4·6	—	—	—	—	—	—	—	—	—	24	15	6·9	26	9	4·2	—	—
East ...	7	5	2·2	0	—	—	2	5	2·3	0	—	—	0	—	—	—	—	—	—	—	—	—	—	—	0	—	—	2	2	0·8	—	—
Calm (or wind- speed < 4 m.p.h.)	1	—	—	2	—	—	7	—	—	1	—	—	0	—	—	—	—	—	—	—	—	—	—	—	0	—	—	0	—	—	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	—	—	—	—	—	—	4	—	—	0	—	—	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Seilly).	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ..	Heavy	Light	Light	Moderate	Light	Very Light	Very Heavy	Light	Light	Moderate	Light	Light
	Sunshine ..	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	—	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 7 weeks from June 3rd, 1923.	Warmth	..	2, 1, 4	2, 2, 3	3, 0, 4	3, 0, 4	3, 0, 4	3, 0, 4	2, 1, 4	3, 0, 4	2, 2, 3	3, 1, 3	3, 3, 1	2, 2, 3
	Rainfall	..	3, 2, 2	0, 2, 5	0, 3, 4	0, 4, 3	1, 0, 6	0, 2, 5	2, 3, 2	0, 1, 6	0, 1, 6	0, 3, 4	0, 1, 6	0, 1, 6
	Sunshine	..	2, 2, 3	1, 3, 3	1, 4, 2	1, 3, 3	0, 3, 4	1, 2, 4	—	1, 1, 5	0, 5, 2	1, 2, 4	1, 1, 5	1, 2, 4

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

118 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L., of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.				
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	59	16, 17, 18	47	19th	57.9	50.6	54.0	+1.4	5	0.44	11	—	Lerwick	5.0	—	23	—	—	—	—	—
Orkneys	Deerness	160	p	62	16th	48	17th	58.7	50.6	54.4	+0.9	6	0.85	21	—	Deerness	3.6	—	21	—	—	—	—	—
Hebrides	Stornoway	51	t	62	19th	50	18, 19	59.9	51.7	55.5	+1.0	7	1.28	21	—	Stornoway	3.5	+1.0	20	—	—	—	—	—
	Castlebay	37	t	58	19, 20	51	18th	56.7	52.9	54.7	—	7	0.8	—	—	Castlebay	4.2	—	24	—	—	—	—	—
Caithness	Wick	81	t	65	19th	49	17, 18, 19	60.9	50.7	55.4	+1.0	—	—	—	—	—	—	—	—	—	—	—	—	—
Ross and Cromarty	Strathpeffer	125	a	67	19th	47	21st	63.8	51.5	57.2	+0.5	—	0.70	18	+1	—	—	—	—	—	—	—	—	—
	Achnashellach	225	a	62	19, 20	37	19th	59.0	50.1	54.2	—	7	2.35	60	—	Achnashellach	—	—	—	0	33	—	—	—
Inverness	Inverness	242	a	67	16th	47	17th	64.1	52.4	57.8	—	4	0.22	6	—	Inverness	4.5	—	26	0	45	—	—	—
	Fort Augustus	68	a	64	19th	49	19th	62.1	52.4	56.9	+0.4	7	0.83	21	+2	—	—	—	—	—	—	—	—	—
	Onich	48	a	64	21st	50	17th	60.1	52.0	55.8	—	7	3.34	85	—	Onich	1.4	—	8	0	48	—	—	—
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	71	19th	48	17th	65.6	52.0	58.3	+1.9	5	0.26	7	—	Nairn	4.6	—	27	—	—	—	—	—
Elgin	Gordon Castle	101	p	70	19th	50	17, 18, 19	66.3	52.7	59.0	+2.6	4	0.14	4	—	Gordon Castle	4.7	—	27	—	—	—	—	—
Aberdeen	Aberdeen	46	t	70	20th	48	18th	66.9	52.7	59.3	—	3	0.27	7	—	Aberdeen	5.9	+0.8	25	0	36	—	53.7	+0.5
	Balmoral	930	a	66	15th	42	19th	63.7	48.4	55.5	+1.2	5	0.21	5	—	Balmoral	—	—	—	0	37	—	—	—
Perth	Crieff	478	a	66	19, 21	43	18th	64.1	49.7	56.4	—	7	0.43	11	—	Crieff	5.0	+0.1	29	0	36	58.2	—	52.2
Forfar	Dundee	147	p	72	20, 21	47	18th	68.7	52.3	59.9	—	4	0.18	5	—	Dundee	6.7	—	40	0	44	62.0	—	—
Fife	Inchkeith	190	t	63	16, 21	50	18th	61.6	54.1	57.6	—	5	0.34	9	—	Inchkeith	7.2	—	43	0	47	—	—	—
Midlothian	Edinburgh	441	p	68	21st	48	18th	65.0	53.0	58.6	+2.0	7	0.58	15	—	Edinburgh	6.7	+1.4	40	0	42	—	—	—
Peebles	West Linton	770	t	65	16, 17	36	19th	62.0	42.1	51.4	—	7	1.34	34	—	West Linton	—	—	—	0	31	—	—	—
Berwick	Marchmont	498	a	70	21st	44	18th	65.7	50.3	57.5	+1.1	6	0.64	16	—	Marchmont	6.2	+0.9	37	—	—	—	—	—
6a. SCOTLAND, W.																								
Argyle	Ford	149	a	65	20th	49	18th	61.6	52.0	56.5	—	7	4.26	108	—	Ford	—	—	—	0	50	61.9	—	56.0
Renfrew	Renfrew	49	t	66	20th	48	18th	63.3	53.4	58.0	—	7	0.94	24	—	Renfrew	3.9	—	23	0	44	—	—	—
Bute	Rothsay	200	p	68	19th	49	17, 18	63.0	52.0	57.1	—	7	2.15	55	+32	Rothsay	4.2	—	25	0	45	60.7	—	56.0
Ayr	Kilmarnock	90	a	70	21st	48	18th	65.6	53.4	59.1	+2.4	7	1.44	37	+19	Kilmarnock	3.9	—	23	—	—	59.9	—	54.4
	Colmonell	170	a	68	20, 21	50	19th	64.1	53.6	58.5	+2.3	7	1.48	38	+20	Colmonell	—	—	—	0	45	—	—	—
Dumfries	Dumfries	140	p	69	20th	48	18th	64.4	53.7	58.7	+0.1	4	0.50	13	—	Dumfries	4.8	—	29	0	39	61.3	+0.7	56.4
	Eskdalemuir	794	t	68	20th	43	18th	62.3	50.6	56.0	—	7	0.98	25	—	Eskdalemuir	3.9	—	23	0	36	—	—	—
6b. ISLE OF MAN.																								
I. of Man	Douglas	284	a	70	21st	50	18th	63.6	54.0	58.5	+1.3	3	0.63	16	—	Douglas	6.2	0.0	38	0	45	—	—	—
2. ENGLAND, N.E.																								
Northumberland	Cockle Park	324	p	73	15th	45	18th	66.6	52.0	58.8	+2.5	4	0.19	5	—	Cockle Park	6.8	+1.6	41	0	42	60.6	+2.5	56.6
	Tynemouth	118	t	75	21st	50	15th	69.7	55.9	62.3	+4.8	2	0.24	6	—	Tynemouth	—	—	—	0	45	—	—	—
Durham	Durham	336	p	73	21st	46	18th	68.4	53.4	60.4	+2.1	2	0.29	7	—	Durham	6.0	+0.9	36	0	36	—	—	—
York	Rounton	249	p	73	20th	46	18th	69.0	54.6	61.3	+3.6	4	0.26	7	—	Rounton	—	—	—	0	36	61.1	—	—
	West Witton	605	a	69	16, 21	48	18th	66.3	53.4	59.4	—	5	0.37	9	—	West Witton	—	—	—	0	43	61.6	—	54.4
	Scarborough	118	a	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough	—	—	—	—	—	62.2	+2.7	56.9
	York	56	p	76	21st	52	18th	70.3	57.6	63.5	+3.4	2	0.09	2	—	York	7.3	+2.1	45	—	—	62.2	+2.7	56.9
E. Riding	Spurn Head	26	t	72	21st	55	17, 18, 19	68.1	57.0	62.2	+2.6	3	0.17	4	—	Spurn Head	6.8	—	42	—	—	—	—	—
Lincoln	Lincoln	58	a	79	15th	52	17th	78.4	56.0	64.1	+3.3	3	0.16	4	—	Lincoln	—	—	—	0	50	64.3	+3.5	58.3
	Cranwell	237	t	78	15th	51	17th	71.7	56.9	63.3	+2.8	2	0.08	2	—	Cranwell	8.4	+2.1	52	0	43	—	—	—
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	6.5	0.0	40	—	—	—	—	—
3. ENGLAND, E.																								
Norfolk	Cromer	196	a	79	21st	52	18th	73.3	55.7	63.9	+3.9	3	1.20	31	+18	Cromer	6.8	+0.3	42	—	—	—	—	—
	Yarmouth	13	t	81	20th	52	19th	74.0	56.7	64.8	+4.3	2	0.20	5	—	Yarmouth	6.7	—	41	0	46	66.1	+2.9	61.0
	Norwich	93	a	80	20th	52	19th	74.3	56.9	65.0	+3.9	2	0.75	19	+2	Norwich	6.6	—	40	0	48	66.7	—	—
	Geldeston	37	a	80	20th	52	19th	73.4	56.1	64.2	+3.5	2	1.60	41	+26	Geldeston	6.5	—	40	—	—	—	—	—
Cambridge	Cambridge	41	p	81	15th	46	19th	73.3	53.9	62.9	+1.3	1	0.06	2	—	Cambridge	6.7	+0.3	42	0	39	66.0	+3.4	59.5
Hertford	Rothamsted	420	a	77	20, 21	49	19th	71.1	54.0	62.0	+1.5	3	0.18	5	—	Rothamsted	7.7	+1.2	48	0	41	64.5	—	—
Middlesex	Tottenham	51	p	81	20th	53	19th	75.1	59.3	66.7	—	3	0.10	3	—	Tottenham	7.7	—	48	—	—	—	—	—
Essex	Clacton-on-Sea	54	p	82	20th	52	19th	74.7	58.0	65.8	+4.6	3	0.20	5	—	Clacton-on-Sea	7.9	+0.9	49	0	46	66.3	+4.9	60.2
	Southend	90	a	84	20, 21	54	19th	77.3	57.9	66.9	—	1	0.01	0.3	—	Southend	8.1	—	51	0	53	69.4	—	—
4. MIDLAND COUNTIES.																								
York	Harrogate	479	a	75	21st	49	18th	67.7	53.4	60.1	+1.8	2	0.36	9	—	Harrogate	7.1	+1.6	43	0	42	59.0	+1.6	56.1
W. Riding	Sheffield	429	p	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—
Derby	Buxton	987	p	72	15th	50	19, 20	67.0	53.9	60.0	+2.8	6	0.57	14	—	Buxton	5.7	—	35	0	43	62.7	+4.2	54.5
Nottingham	Worksop (HodsckP)	86	a	79	15th	52	18, 19	73.3	55.6	63.8	+3.6	2	0.13	3	—	Worksop	6.8	+1.8	42	0	43	63.5	—	58.6
	Nottingham	52	t	77	15th	52	17th	71.0	57.0	63.5	+2.8	3	0.15	4	—	Nottingham	6.8	+1.4	42	0	45	63.8	+3.0	59.6
Warwick	Birmingham (Edg.)	525	t	77	20th	51	19th	69.3	55.3	61.8	+1.4	2	0.23	6	—	Birmingham	6.7	+2.1	41	0	48	59.5	+3.4	53.3
Northampton	Raunds	213	a	81	20th	48	19th	74.1	54.3	63.5	+2.0	2	0.07	2	—	Raunds	6.3	—	39	0	44	66.7	—	+1.0
Oxford	Oxford	208	p	81	20th	48	19th	72.6	56.1	63.8	+2.1	1	0.08	2	—	Oxford	6.8	+0.7	42					

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall				Bright Sunshine Hours per Day			Ground Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.		*F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, July 21st, 1923.

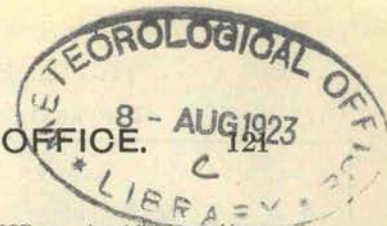
DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	†	—	0	16, 19, 20, 21	37	90	37	4	0	270	34	15	20	12	45	20	20	12	15
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	20	4	64	89	11	0	250	26	12	20	12	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen ...	72	42	†	—	0	—	0	42	95	31	0	250	19	8	21	12	36	16	20	14	5
Edinburgh ...	485	39	31	—	0	19, 20	5	123	28	12	0	220	26	12	19	12	41	18	19	11	25
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	62	99	7	0	270	23	10	20	3	45	20	20	0	50
Dumfries Eskdalemuir ...	825	50	22	—	0	20, 21	10	90	57	11	0	220	28	13	20	19	43	19	19	17	5
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	20, 21	2	90	63	13	0	280	25	11	21	3	43	19	21	2	55
York, E.R. Spurn Head ...	67	41	†	—	0	20, 21	2	82	82	2	0	280	25	11	20	12	35	16	20	12	25
Lincoln Cranwell ...	280	43	31	—	0	—	0	76	84	8	—	270	18	8	20	11	23	10	20	10	55
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	†	—	0	—	0	3	121	44	0	300	13	6	21	9	24	11	21	9	25
Essex Shoeburyness...	103	90	†	—	0	—	0	47	76	21	24	—	18	8	15	15	31	14	15	16	20
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	2	143	23	0	210	14	6	17	14	24	11	16	10	45
Kent Lympne ...	409	70	†	—	0	—	0	41	81	5	41	260	20	9	17	15	31	14	17	15	0
Surrey Croydon ...	284	40	24	—	0	—	0	7	151	10	0	270	14	6	16	13	27	12	16	13	0
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	13	151	4	0	270	14	6	16	12	26	12	16	13	5
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	106	61	1	0	260	20	9	16	12	33	15	17	17	55
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	16	1	120	(36)	(0)	11	240	25	11	16	10	34	15	16	9	45
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	20, 21	6	136	24	2	0	230	26	11	20	4	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	17, 19, 20, 21	20	130	15	3	0	260	31	14	20	9	41	18	19	15	15
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	†	—	0	21	1	138	28	0	1	250	25	11	21	22	33	15	21	22	15
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	—	0	22	78	9	59	—	20	9	19	14	29	13	17	12	50
Cornwall Pendennis Castle...	256	65	24	—	0	17	2	41	109	16	0	240	27	12	17	15	35	16	17	13	20
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	16, 19, 20, 21	26	93	25	1	23	250	31	14	19	23	—	—	—	—	—
Clare Quilty ...	100	40	†	—	0	—	0	147	21	0	0	—	22	10	20	23	36	16	16	11	25
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	—	0	42	126	0	0	250	19	9	16	13	32	14	16	9	50
Cork Weaver Pt. ...	160	30	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-NINTH WEEK of 1923—July 15th to July 21st, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									inches.
0. SCOTLAND, NORTH .. Eastern.		67	37	60.5	51.3	55.6	+0.6	day- deg. F. 95	day- deg. F. + 4	day- deg. F. 0	day- deg. F. 0	6	+ 1	1.34	34	+11	3.9	- 0.1	22	1007
1. SCOTLAND, EAST ..		71	36	64.5	50.3	56.9	+0.3	104	0	0	0	5	+ 1	0.45	12	- 6	5.8	+0.8	35	1008
2. ENGLAND, N.E. ..		79	45	69.7	55.3	62.0	+3.2	140	+23	0	0	3	0	0.19	5	- 10	7.0	+1.4	43	1014
3. ENGLAND, EAST ..		82	46	73.7	56.3	64.4	+3.5	157	+25	0	0	2	- 1	0.54	14	- 1	7.1	+0.6	44	1016
4. MIDLAND COUNTIES ..		81	48	70.8	55.9	62.8	+2.6	146	+19	0	0	2	- 1	0.21	5	- 7	6.7	+1.1	41	1016
5. ENGLAND, S.E. ..		84	44	71.5	56.3	63.4	+1.9	150	+13	0	0	2	- 1	0.08	2	- 11	7.6	+0.9	48	1018
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		70	48	63.7	53.2	58.1	+0.8	113	+ 4	0	0	6	+ 2	1.63	41	+21	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		75	50	66.6	55.9	60.8	+1.8	132	+13	0	0	4	0	0.43	11	- 6	5.2	- 0.4	32	1015
8. ENGLAND, S.W. (and South Wales)		80	46	66.8	55.7	60.9	+0.8	132	+ 5	0	0	3	- 1	0.29	7	- 11	5.1	- 1.0	32	1018
9. IRELAND, NORTH ..		75	47	64.9	53.1	58.6	+1.2	116	+ 8	0	0	6	+ 1	0.64	16	- 4	3.7	- 0.6	23	1013
10. IRELAND, SOUTH ..		77	46	67.6	55.3	61.0	+1.6	133	+11	0	0	4	0	0.35	9	- 7	4.0	- 0.9	25	1017
11. CHANNEL ISLANDS (and Scilly)		71	52	66.9	56.8	61.5	+0.1	137	+ 1	0	0	3	- 1	0.19	5	- 8	4.4	- 2.9	28	1020
MEAN: DISTRICTS 1-10		84	36	68.0	54.7	60.9	+1.8	132	+12	0	0	4	0	0.48	12	- 4	5.8	+0.2	36	1015
THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, June 3rd to July 21st, 1923																				
0. SCOTLAND, NORTH ..		80	32	58.9	48.1	53.1	- 0.3	543	- 24	0	- 1	31	+ 3	5.49	139	+16	4.0	- 0.8	22	1014
Eastern.																				
1. SCOTLAND, EAST ..		82	27	62.6	47.7	54.6	- 0.5	618	- 22	0	- 1	25	0	2.11	55	- 46	4.9	- 0.8	28	1015
2. ENGLAND, N.E. ..		91	36	64.8	50.5	57.1	+0.3	741	+19	0	0	18	- 3	1.77	45	- 43	5.7	- 0.4	34	1018
3. ENGLAND, EAST ..		94	31	68.0	51.6	59.2	+0.5	842	+26	0	0	14	- 7	1.87	48	- 38	6.4	- 0.4	39	1019
4. MIDLAND COUNTIES ..		95	34	67.8	51.5	59.1	+0.9	836	+41	0	0	15	- 6	1.82	47	- 41	5.1	- 1.0	31	1019
5. ENGLAND, S.E. ..		93	30	68.2	52.2	59.6	+0.3	864	+17	0	0	9	- 11	1.01	27	- 53	6.5	- 0.7	40	1020
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	31	62.2	49.8	55.5	- 0.5	664	- 29	0	0	28	+ 2	4.54	114	- 13	—	—	—	1017
7. ENGLAND, N.W. (and North Wales)		89	33	63.2	52.0	57.2	- 0.1	745	- 5	0	0	20	- 3	1.75	44	- 60	5.2	- 1.1	31	1019
8. ENGLAND, S.W. (and South Wales)		93	36	65.7	52.5	58.6	+0.5	816	+27	0	0	13	- 10	1.56	39	- 65	5.8	- 0.9	36	1021
9. IRELAND, NORTH ..		82	39	61.9	50.6	55.8	- 0.3	678	- 12	0	0	29	0	2.70	68	- 48	3.4	- 1.8	20	1019
10. IRELAND, SOUTH ..		86	44	65.0	52.9	58.5	+0.8	809	+38	0	0	19	- 6	1.81	47	- 63	4.4	- 1.3	26	1021
11. CHANNEL ISLANDS (and Scilly)		90	42	65.0	53.8	59.0	- 0.2	834	- 9	0	0	10	- 12	0.76	20	- 59	7.2	- 0.7	45	1022
MEAN: DISTRICTS 1-10..		95	27	64.9	51.1	57.5	+0.2	761	+10	0	0	19	- 4	2.09	53	- 47	5.3	- 0.9	32	1019
THE YEAR. Aggregates, &c., for the Period of 29 Weeks, December 31st, 1922, to July 21st, 1923.																				
0. SCOTLAND, NORTH ..		80	24	50.3	40.0	44.9	+0.6	910	- 67	317	-199	130	- 2	26.13	664	+11	3.5	- 0.1	26	1010
Eastern.																				
1. SCOTLAND, EAST ..		82	20	50.9	39.1	44.7	+0.1	975	-138	419	-165	120	+ 7	15.22	390	- 4	3.4	- 0.8	26	1011
2. ENGLAND, N.E. ..		91	25	52.5	41.1	46.6	+0.6	1225	- 32	294	-156	101	0	11.54	295	- 15	3.9	- 0.6	30	1013
3. ENGLAND, EAST ..		94	23	54.7	42.2	48.2	+1.3	1497	+27	234	-233	96	- 3	10.33	260	- 42	4.2	- 0.6	32	1014
4. MIDLAND COUNTIES ..		95	22	54.6	41.4	47.7	+0.9	1442	- 23	280	-214	104	+ 6	14.70	374	+38	3.4	- 0.9	26	1014
5. ENGLAND, S.E. ..		93	22	55.5	42.9	48.9	+0.9	1592	+16	183	-174	96	0	13.67	349	+20	4.2	- 0.7	33	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	52.5	40.8	46.4	+0.2	1183	- 65	279	-111	122	+ 2	22.96	580	- 4	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		89	24	53.0	42.6	47.6	+0.7	1315	- 29	185	-175	113	+ 7	15.28	388	- 35	3.9	- 0.5	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	54.5	43.5	48.8	+0.8	1516	+11	133	-151	109	+ 3	19.59	497	+29	4.1	- 0.7	32	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	- 0.5	27	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		90	32	55.7	46.5	51.0	+0.8	1823	+66	3	- 97	117	+ 6	17.04	434	+50	4.8	- 0.8	37	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

FORTY-SIXTH YEAR. } No. 30.
Vol. XL. (New Series) }

THIRTIETH WEEK.

SUNDAY, JULY 22ND, TO SATURDAY, JULY 28TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Isles generally the weather of the week was for the most part of a rather unsettled type. There were one or two bright days, but rain fell in most parts of the country and in several places measurements considerably over 25mm. were recorded. Among the largest amounts registered were 63mm. at Ford (Argyll), 62mm. at Onich (Inverness) and 30mm. at Rothesay (Bute) on the 22nd, 37mm. at Stonyhurst and Blackpool, 32mm. at Lancaster on the 27th and 33mm. at Lincoln and 31mm. at Guernsey on the 28th. The total amount of rainfall for the week was below the normal in one or two of the eastern and south-eastern Districts, but in most other parts of the country it was above normal, especially in the north and north-west. The highest temperatures occurred during the first half of the week in most places and at one or two stations in the south-east of England maximum readings of 80°F. were recorded. A screen minima of 37°F. was registered at West Linton (Peebles) on the 27th, but over the country, as a whole, the nights were fairly warm. The mean temperature for the week did not differ much from the normal. Several good records

of sunshine were obtained during the week, a large number of stations recording between 13 and 14 hours. Among the largest amounts were 14.1 hours at Eastbourne and 14.0 hours at Worthing on the 22nd, 14.6 hours at South Farnborough, 14.3 hours at Croydon and 14.0 hours at Richmond (Kew Observatory) on the 24th, 14.4 hours at Durham and 13.9 hours at Folkestone on the 26th and 14.0 hours at Stornoway on the 28th. The mean amount of sunshine for the week was above the normal in the south-eastern parts of England but in most other Districts it was below normal. The departure of the mean duration from the normal for the week ranged from +2.2 hours at Margate to -3.5 hours at Scilly. Thunderstorms occurred in places, notably on the last day of the week, and at Raunds (Northampton) the storm was accompanied by hail. Solar halos were observed at Guernsey on the 22nd, at Hodsock Priory (Worksop) on the 27th and at Oxford on the 22nd, 24th, 25th, 27th and 28th. Lunar halos were seen at Oxford on the 22nd and at Guernsey on the 26th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
				Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.	
					m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	...	...	14	5	2.1	5	4	2.0	12	6	2.9	24	6	2.6	20	9	4.2	—	—	—	20	7	3.1	16	7	3.3	
North	...	...	11	9	4.1	9	6	2.5	10	4	1.9	3	2	1.1	6	5	2.1	—	—	—	3	5	2.4	9	4	2.0	
West	...	...	25	11	5.1	22	16	7.3	24	9	3.9	27	6	2.8	27	12	5.5	—	—	—	26	16	7.3	25	10	4.6	
East	...	...	2	5	2.1	3	7	3.1	2	4	1.9	0	—	—	0	—	—	—	—	—	2	4	1.6	1	4	1.7	
Calm (or wind- speed < 4 m.p.h.)			0	—	—	3	—	—	2	—	—	0	—	—	0	—	—	—	—	—	0	—	—	2	—	—	
No record	...		0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	—	—	—	0	—	—	0	—	—	

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ..	Heavy	Moderate	Heavy	Moderate	Heavy	Moderate	Very Heavy	Heavy	Moderate	Moderate	Moderate	Heavy
	Sunshine ..	Moderate	Moderate	Moderate	Moderate	Scanty	Abundant	—	Scanty	Moderate	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 8 weeks from June 3rd, 1923.	Warmth ..	2, 2, 4	2, 2, 4	3, 1, 4	3, 1, 4	3, 1, 4	3, 1, 4	2, 2, 4	3, 1, 4	2, 3, 3	3, 2, 3	4, 3, 1	2, 3, 3
	Rainfall ..	4, 2, 2	0, 3, 5	1, 3, 4	0, 5, 3	2, 0, 6	0, 3, 5	3, 3, 2	1, 1, 6	0, 2, 6	0, 4, 4	0, 2, 6	1, 1, 6
	Sunshine ..	2, 3, 3	1, 4, 3	1, 5, 2	1, 4, 3	0, 3, 5	2, 2, 4	—	1, 1, 6	0, 6, 2	1, 2, 5	1, 1, 6	1, 2, 5

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

122 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.										
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.					
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal				
0. SCOTLAND, N.																												
Shetlands	Lerwick	54	t	58	23, 25	44	28th	56.0	47.6	51.5	+1.0	5	0.49	13	+	1	Lerwick	..	3.0	—	17	—	—	—	—	—	—	—
Orkneys	Deerness	160	t	57	23, 25	46	26th	56.4	49.3	52.6	-0.8	6	0.61	15	+	2	Deerness	..	2.8	+1.5	16	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	61	28th	46	26th	58.6	50.1	54.1	-0.3	6	0.95	24	+	8	Stornoway	..	5.4	+0.8	32	—	—	—	—	—	—	
	Castlebay	37	t	57	23, 25, 27	50	26, 27	55.9	51.7	53.7	—	7	0.78	20	—	—	Castlebay	..	2.6	—	15	—	—	—	—	—	—	
Caithness	Wick	81	t	66	22nd	44	27th	58.3	48.9	53.3	-0.9	5	0.90	23	+	10												
Ross and Cromarty	Strathpeffer	125	t	68	22nd	48	26, 28	61.1	51.1	55.8	-0.6	7	1.00	25	+	13												
	Achnashellach	225	t	62	22nd	47	26th	58.3	50.7	54.2	—	7	1.93	49	—	—	Achnashellach	..	—	—	—	—	—	—	—	—	—	
Inverness	Inverness	242	t	69	22nd	48	26, 28	60.3	51.1	55.4	—	7	0.70	18	—	—	Inverness	..	2.9	—	18	—	—	—	—	—	—	
	Fort Augustus	68	t	67	23rd	48	26th	61.4	51.1	55.9	-0.3	7	0.77	20	+	5												
	Onich	48	t	64	22nd	50	26, 27	60.3	51.9	55.8	—	7	3.38	86	—	—	Onich	..	1.8	—	11	—	—	—	—	—	—	
1. SCOTLAND, E.																												
Nairn	Nairn	82	t	72	22nd	47	28th	61.7	51.6	56.3	+0.5	7	0.69	17	+	3	Nairn	..	2.5	—	15	—	—	—	—	—	—	
Elgin	Gordon Castle	101	t	72	22nd	48	26, 27	61.9	50.7	55.9	0.0	6	0.43	11	—	7	Gordon Castle	..	2.8	—	17	—	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	71	22nd	46	25, 27	62.4	51.7	56.7	—	6	0.32	8	—	7	Aberdeen	..	3.5	-1.1	21	—	—	—	—	—	—	
	Balmoral	930	t	68	22nd	44	26th	59.0	48.1	53.2	-0.4	7	0.69	18	+	2	Balmoral	..	—	—	—	—	—	—	—	54.2	+0.6	
Perth	Crieff	478	t	64	22, 27	44	27th	61.1	50.1	55.2	-1.9	4	0.55	14	—	5	(Kinc.) Crathes	..	3.4	-0.9	21	—	—	57.2	—	—	—	
Forfar	Dundee	147	t	70	22nd	49	26th	65.1	52.1	58.2	—	5	0.83	21	—	—	Dundee	..	4.9	—	29	—	—	60.6	—	—	—	
Pife	Inchkeith	190	t	63	27, 28	49	27th	62.3	53.1	57.4	—	3	0.39	10	—	—	Inchkeith	..	5.9	—	36	—	—	—	—	—	—	
Midlothian	Edinburgh	441	t	65	22, 23	46	27th	62.0	51.1	56.2	+0.1	4	0.38	10	—	5	Edinburgh	..	5.0	+0.3	31	—	—	—	—	—	—	
Peebles	West Linton	770	t	63	27th	37	27th	60.7	43.3	51.4	-2.4	6	1.15	29	—	—	West Linton	..	—	—	—	—	—	—	—	—	—	
Berwick	Marchmont	498	t	66	22, 23	44	27th	63.1	50.4	56.3	+0.5	4	0.37	9	—	8	Marchmont	..	5.7	+1.0	35	—	—	—	—	—	—	
2a. SCOTLAND, W.																												
Argyle	Ford	149	t	62	24, 27	46	27th	60.1	51.3	55.4	—	7	3.74	95	—	—	Ford	..	—	—	—	—	—	—	—	—	—	
Renfrew	Renfrew	49	t	65	23rd	46	27th	61.9	52.0	56.6	—	5	0.95	24	—	—	Renfrew	..	—	—	28	—	—	—	—	—	—	
Bute	Rothsay	200	t	64	22nd	47	27th	59.4	50.3	54.5	-2.7	7	1.94	49	+	26	Rothsay	..	4.5	—	27	—	—	—	—	—	—	
Ayr	Kilmarnock	90	t	68	27th	47	27th	62.4	52.6	57.2	+0.7	5	1.41	36	+	18	Kilmarnock	..	4.5	—	27	—	—	—	59.6	+0.5		
	Colmonell	170	t	66	22nd	51	27, 28	62.4	54.0	57.9	+1.8	4	1.36	35	+	17	Colmonell	..	3.1	—	19	—	—	—	58.5	—	—	
Dumfries	Dumfries	140	t	65	22, 23	46	27th	62.9	51.6	56.9	-1.4	5	1.15	29	+	11	Dumfries	..	—	—	—	—	—	—	—	—	—	
	Eskdalemuir	794	t	64	23rd	44	27th	61.1	50.1	55.2	—	7	1.50	38	—	—	Eskdalemuir	..	4.1	—	25	—	—	60.1	-0.5	56.4	-1.6	
3b. ISLE OF MAN.																												
I. of Man	Douglas	284	t	69	22nd	49	27th	62.7	53.4	57.7	+0.6	5	1.27	32	+	14	Douglas	..	5.6	-0.3	35	—	—	—	—	—	—	
2. ENGLAND, N.E.																												
Northum-berland	Cockle Park	324	t	69	24, 26	47	26th	66.3	51.0	58.1	+2.2	4	0.45	11	—	8	Cockle Park	..	5.9	+1.0	36	—	—	59.0	+0.9	56.5	+1.2	
	Tynemouth	118	t	69	23, 25	47	27th	64.9	54.0	59.1	+1.9	5	0.26	7	—	11	Tynemouth	..	—	—	—	—	—	—	—	—	—	
Durham	Durham	336	t	69	25, 26	46	27, 28	66.6	51.1	58.3	+0.4	4	0.30	8	—	11	Durham	..	4.5	-0.1	28	—	—	—	—	—	—	
York	Rounton	249	t	70	25th	46	27th	65.9	52.9	59.0	+1.7	4	0.53	13	—	7	Rounton	..	—	—	—	—	—	60.1	—	—	—	
N. Riding	West Witton	605	t	67	25th	48	27th	64.3	53.6	58.6	—	5	1.06	27	—	—	West Witton	..	—	—	—	—	—	59.9	—	—	—	
	Scarborough	118	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough	..	—	—	—	—	—	—	—	—	—	
	York	56	t	70	25th	48	27th	66.6	55.9	60.9	+1.2	3	0.90	23	+	5	York	..	3.8	-1.0	24	—	—	61.1	+1.4	57.4	+0.8	
E. Riding	Spurn Head	26	t	67	22nd	53	27th	63.6	56.4	59.8	+0.5	4	1.18	30	+	16	Spurn Head	..	4.0	—	25	—	—	—	—	—	—	
Lincoln	Lincoln	58	t	74	22nd	48	27th	67.1	55.0	60.6	+0.3	4	2.14	54	+	37	Lincoln	..	—	—	—	—	—	62.3	+1.1	58.6	+1.4	
	Cranwell	237	t	74	22nd	47	27th	66.9	54.1	60.1	0.0	4	1.34	34	+	16	Cranwell	..	4.6	-1.1	29	—	—	42	—	—	—	
	Skegness	—	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	..	4.1	-1.9	26	—	—	—	—	—	—	
3. ENGLAND, E.																												
Norfolk	Cromer	196	t	74	22nd	51	26th	67.5	54.7	60.7	+0.9	5	0.35	9	—	5	Cromer	..	4.6	-1.3	29	—	—	—	—	—	—	
	Yarmouth	13	t	75	22nd	48	27th	68.7	55.3	61.5	+1.3	3	0.72	18	—	2	Yarmouth	..	4.9	—	31	—	—	64.6	+1.4	61.1	+1.3	
	Norwich	93	t	75	22nd	49	27th	68.0	55.3	61.2	+0.5	4	0.88	22	+	5	Norwich	..	4.6	—	29	—	—	64.4	—	—	—	
	Geldeston	37	t	75	22nd	48	27th	68.9	54.7	61.3	+1.0	3	0.50	13	—	2	Geldeston	..	6.3	+0.4	40	—	—	—	—	—	—	
Cambridge	Cambridge	41	t	76	22nd	48	27th	69.6	54.1	61.3	+0.2	4	0.53	13	—	2	Cambridge	..	5.7	-0.1	36	—	—	63.9	+1.2	59.8	+0.5	
Hertford	Rothamsted	420	t	72	22nd	48	27th	67.1	54.3	60.3	+0.3	3	0.43	11	—	5	Rothamsted	..	6.9	+1.0	44	—	—	62.7	—	—	—	
Middlesex	Tottenham	51	t	78	22nd	52	27th	71.6	57.7	64.2	—	3	0.24	6	—	—	Tottenham	..	6.7	—	43	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	78	22nd	50	27th	71.3	56.3	63.3	+2.4	3	0.60	15	+	2	Clacton-on-Sea	..	7.3	+0.9	46	—	—	64.9	+3.5	60.8	+1.3	
	Southend	90	t	78	22nd	48	27th	72.4	55.0	63.1	—	2	0.19	5	—	—	Southend	..	7.2	—	46	—	—	68.2	—	—	—	
4. MIDLAND COUNTIES.																												
York	Harrogate	479	t	66	25th	46	27th	63.7	52.7	57.8	-0.2	5	1.01	26	+	4	Harrogate	..	3.8	-1.3	24	—	—	57.9	+0.2	56.0	+0.2	
W. Riding	Sheffield	429	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	..	—	—	—	—	—	—	—	—	—	
Derby	Buxton	987	t	—	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	..	—	—	—	—	—	—	—	—	—	
Nottingham	Worksop (HodsckP)	56	t	72	22nd	49	27th	68.6	55.3	61.5	+1.7	3	0.80															

[illegible]

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, July 28th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	‡	—	0	22, 26	13	70	63	22	0	270	29	13	22	11	38	17	26	20	45
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	21	5	81	81	1	0	250	26	12	21	9	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	‡	—	0	—	0	65	94	9	0	310	21	9	26	21	38	17	26	20	45
Edinburgh Edinburgh ...	485	30	31	—	0	22, 26	7	102	44	15	0	290	28	13	26	13	46	21	26	12	55
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	26	7	69	90	2	0	360	32	14	26	16	57	26	26	16	15
Dumfries Eskdalemuir ...	825	50	22	—	0	22, 23, 25, 26	18	81	54	15	0	280	33	15	26	17	54	24	26	15	10
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	26	11	89	55	13	0	300	31	14	26	17	48	21	26	15	0
York, E.R. Spurn Head ...	67	41	‡	—	0	22, 25, 26, 27	29	94	(44)	(1)	0	290	38	17	26	18	52	23	26	17	55
Lincoln Cranwell ...	280	43	31	—	0	26	1	72	(90)	(5)	0	260	25	11	26	16	32	14	26	15	45
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	‡	—	0	—	0	40	113	15	0	190	22	10	28	15	35	16	26	15	0
Essex Shoeburyness...	103	90	‡	—	0	28	5	86	76	1	0	—	31	14	28	15	42	19	28	15	25
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	18	139	11	0	210	15	7	28	14	31	14	26	16	40
Kent Lympne ...	409	70	‡	—	0	28	1	82	84	0	1	230	25	11	28	13	44	20	28	13	5
Surrey Croydon ...	284	40	24	—	0	—	0	19	147	2	0	220	19	9	28	14	33	15	28	13	50
Hampshire Petersfield (Stoner Hill)...	811	42	‡	—	0	—	0	46	122	0	0	210	16	7	28	12	32	14	26	15	15
Hampshire S. Farnboro' (Py'e Tr.)...	444	160	—	—	0	28	1	124	42	1	0	200	26	12	28	13	42	19	28	12	50
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	26, 28	14	132	(22)	(0)	0	230 190	28	13	{ 26 15 } { 28 11 }	38	17	28	11	30	
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	26	3	22 to 27	37	93	34	1	0	280	43	19	26	19	—	—	—	—	—
Lancashire Southport ...	80	62	48	26	2	22, 23, 25 to 27	60	72	34	0	0	270	39	17	26	12	50	22	26	11	55
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	‡	—	0	26	9	127	32	0	0	250	28	13	26	3	41	18	26	3	15
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	—	0	69	93	6	0	—	24	11	28	6	34	15	28	14	5
Cornwall Pendennis Castle ...	256	65	24	—	0	28	3	50	86	29	0	220	27	12	28	6	35	16	28	7	10
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	22 to 26	34	90	42	2	0	270	35	16	26	9	—	—	—	—	—
Clare Quilty ...	100	40	‡	—	—	22, 26	3	123	38	4	0	—	26	11	26	7	35	16	26	6	40
Kerry Cahirciveen (Val. Obs.)...	98	41	‡	—	0	—	0	75	79	14	0	230	23	10	23	4	36	16	23	2	45
Cork Weaver Pt. ...	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
 ‡ Direction from the Robinson Anemometer at Falmouth Observatory. ** For Decree the week ends at midnight on Friday.

†Standard mounting.

**For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTIETH WEEK of 1923—July 22nd to July 28th, 1923.																																					
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.																				
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration																					
				Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal																												
Highest	Lowest	°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.																			
0. SCOTLAND, NORTH ..																					68	44	59.1	50.2	54.4	- 0.4	87	- 3	0	0	6	+ 2	1.35	34	+17	3.7	- 0.3	22	1005
Eastern.																																							
1. SCOTLAND, EAST ..																					72	37	61.5	49.9	55.3	- 0.7	93	- 6	0	0	5	+ 1	0.57	15	- 2	4.1	- 0.3	25	1006
2. ENGLAND, N.E. ..																					74	46	66.0	53.8	59.5	+1.1	123	+ 8	0	0	4	0	0.89	23	+ 5	4.6	- 0.6	29	1010
3. ENGLAND, EAST ..																					78	48	69.1	55.3	61.7	+1.2	138	+ 8	0	0	3	- 1	0.53	13	- 2	6.0	+ 0.2	38	1013
4. MIDLAND COUNTIES																					76	45	66.9	54.4	60.2	+0.4	127	+ 3	0	0	4	0	1.07	27	+ 8	4.3	- 0.9	27	1013
5. ENGLAND, S.E. ..																					80	43	69.2	55.4	61.8	+0.5	139	+ 4	0	0	3	0	0.34	8	- 7	7.6	+1.2	49	1014
Western.																																							
6. SCOTLAND, WEST (and Isle of Man)																					69	46	61.7	52.2	56.6	- 0.5	102	- 4	0	0	5	+ 1	1.69	43	+23	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)																					72	47	63.3	54.6	58.7	- 0.1	117	0	0	0	6	+ 2	1.60	41	+19	3.4	- 1.8	21	1012
8. ENGLAND, S.W. (and South Wales)																					76	45	65.5	55.5	60.1	+0.2	127	+ 2	0	0	4	0	0.77	20	- 1	4.6	- 1.1	29	1015
9. IRELAND, NORTH ..																					70	46	62.9	53.5	57.9	+0.8	111	+ 5	0	0	6	+ 1	0.93	24	+ 4	2.8	- 1.6	17	1011
10. IRELAND, SOUTH ..																					74	50	66.3	55.9	60.7	+1.7	131	+12	0	0	6	+ 2	1.05	27	+ 4	3.7	- 1.2	23	1015
11. CHANNEL ISLANDS (and Scilly)																					71	55	66.1	57.5	61.5	+0.1	137	+ 1	0	0	4	0	0.74	18	+ 3	4.3	- 2.6	28	1018
MEAN: DISTRICTS 1-10																					80	37	65.2	54.1	59.3	+0.5	121	+ 3	0	0	5	+ 1	0.94	24	+ 5	4.6	- 0.7	29	1012
THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, June 3rd to July 28th, 1923.																																							
0. SCOTLAND, NORTH ..																					80	32	58.9	48.3	53.3	- 0.3	630	- 27	0	- 1	37	+ 5	6.84	173	+33	4.0	- 0.7	22	1013
Eastern.																																							
1. SCOTLAND, EAST ..																					82	27	62.5	48.0	54.7	- 0.5	711	- 28	0	- 1	30	+ 1	2.68	70	- 48	4.8	- 0.7	28	1014
2. ENGLAND, N.E. ..																					91	36	64.9	50.9	57.4	+0.4	864	+27	0	0	22	- 3	2.66	68	- 38	5.6	- 0.4	33	1017
3. ENGLAND, EAST ..																					94	31	68.1	52.1	59.5	+0.6	980	+34	0	0	17	- 8	2.40	61	- 40	6.4	- 0.3	39	1018
4. MIDLAND COUNTIES																					95	34	67.7	51.9	59.2	+0.8	963	+44	0	0	19	- 6	2.89	74	- 33	5.0	- 1.0	30	1018
5. ENGLAND, S.E. ..																					93	30	68.3	52.6	59.9	+0.3	1003	+21	0	0	12	- 11	1.35	35	- 60	6.6	- 0.5	41	1019
Western.																																							
6. SCOTLAND, WEST (and Isle of Man)																					86	31	62.1	50.1	55.7	- 0.5	766	- 33	0	0	33	+ 3	6.18	156	+ 9	—	—	—	1016
7. ENGLAND, N.W. (and North Wales)																					89	33	63.2	52.3	57.4	- 0.1	862	- 5	0	0	26	- 1	3.35	85	- 41	5.0	- 1.2	30	1018
8. ENGLAND, S.W. (and South Wales)																					93	36	65.7	52.9	58.8	+0.5	943	+29	0	0	17	- 10	2.36	60	- 65	5.7	- 0.9	35	1020
9. IRELAND, NORTH ..																					82	39	62.0	50.9	56.1	- 0.1	789	- 7	0	0	35	+ 1	3.63	92	- 44	3.3	- 1.8	19	1018
10. IRELAND, SOUTH ..																					86	44	65.1	53.3	58.8	+0.9	940	+50	0	0	25	- 4	2.86	74	- 59	4.3	- 1.3	26	1020
11. CHANNEL ISLANDS (and Scilly)																					90	42	65.1	54.3	59.3	- 0.2	971	- 8	0	0	14	- 12	1.50	38	- 56	6.8	- 1.0	43	1021
MEAN: DISTRICTS 1-10..																					95	27	65.0	51.5	57.7	+0.2	882	+13	0	0	24	- 4	3.04	77	- 42	5.2	- 0.9	31	1018
THE YEAR. Aggregates, &c., for the Period of 30 Weeks, December 31st, 1922, to July 28th, 1923.																																							
0. SCOTLAND, NORTH ..																					80	24	50.6	40.3	45.2	+0.5	997	- 70	317	-199	136	0	27.48	698	+28	3.5	- 0.1	26	1010
Eastern.																																							
1. SCOTLAND, EAST ..																					82	20	51.2	39.5	45.1	+0.1	1068	-144	419	-165	125	+ 8	15.79	405	- 6	3.4	- 0.8	26	1011
2. ENGLAND, N.E. ..																					91	25	53.0	41.5	47.0	+0.6	1348	- 24	294	-156	105	0	12.43	318	- 10	3.9	- 0.6	30	1013
3. ENGLAND, EAST ..																					94	23	55.2	42.6	48.7	+1.3	1635	+35	234	-233	99	- 4	10.86	273	- 44	4.2	- 0.6	32	1014
4. MIDLAND COUNTIES																					95	22	55.0	41.8	48.1	+0.9	1569	- 20	280	-214	108	+ 6	15.77	401	+46	3.5	- 0.8	26	1014
5. ENGLAND, S.E. ..																					93	22	55.9	43.3	49.4	+0.9	1731	+20	183	-174	99	0	14.01	357	+13	4.4	- 0.6	33	1015
Western.																																							
6. SCOTLAND, WEST (and Isle of Man)																					86	20	52.8	41.2	46.8	+0.2	1285	- 69	279	-111	127	+ 3	24.60	622	+18	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)																					89	24	53.3	43.0	47.9	+0.6	1432	- 29	185	-175	119	+ 9	16.88	429	- 16	3.9	- 0.5	29	1013
8. ENGLAND, S.W. (and South Wales)																					93	24	54.9	43.9	49.2	+0.8	1643	+13	133	-151	113	+ 3	20.39	518	+29	4.2	- 0.6	32	1014
9. IRELAND, NORTH ..																					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	- 0.5	26	1012
10. IRELAND, SOUTH ..																					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)																					90	32	56.1	46.9	51.3	+0.8	1960	+67	3	- 97	121	+ 6	17.78	452	+53	4.8	- 0.9	37	1016
MEAN: DISTRICTS 1-10 ..																					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
																					°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Forty-Sixth Year. } No. 31.
Vol. XL. (New Series)

THIRTY-FIRST WEEK.

SUNDAY, JULY 29TH, TO SATURDAY, AUGUST 4TH, 1923.

Price 9d. Net, Post free 9½d.
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(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again of a very unsettled character. There were several bright intervals, but rain fell in most parts of the country and in some places the measurements were rather large. A deep depression centred to the south-west of Ireland on the morning of August 2nd moved north-eastwards, causing gales in many places, notably in Ireland, where a good deal of damage was done to trees and crops. Among the largest amounts of rainfall recorded were 27mm. at Blackpool and Colmonell (Ayr) and 25mm. at Donaghadee on July 30th, 35mm. at Norwich, 27mm. at Cranwell, 26mm. at Manchester (Whitworth Park) and 23mm. at Arlington (Devon) and at Cambridge on the 31st, 24mm. at Cahirciveen (Valencia Observatory) and 23mm. at Seskin (Carrick-on-Suir) on August 1st and 38mm. at Dumfries, 32mm. at Newton Rigg and 26mm. at Aspatria on the 2nd. Over the country, as a whole, the total amount of rainfall for the week was above the normal. The highest temperatures of the week occurred on August 4th in most places and in some parts maximum readings of 75°F. and above were recorded, the highest reading, 79°F., being registered in London (Camden Square). A

screen minimum temperature of 34°F. at West Linton (Peebles) and 36°F. at Balmoral occurred on August 2nd, while at the former station the grass thermometer registered a reading of 29°F. on the same date. The mean temperature for the week was below the normal in all Districts with the exception of England E. where it was slightly above. Several good records of sunshine were obtained in various parts of the country during the week, notably on August 4th when a number of places recorded sunshine amounts of between 14 and 15 hours. The total amount of sunshine for the week was below the normal in Scotland and the English Channel, but in most of the other Districts it was above normal. The departure of the mean duration from the normal for the week ranged from +2.6 hours in London (Westminster) to -2.2 hours at Deerness. Thunderstorms or thunder only occurred in several places during the first half of the week. A double rainbow was seen at Buxton at 20h. 50m. on July 31st. Solar halos were observed at Ross-on-Wye on August 1st, at Clacton on the 3rd and at Oxford on July 29th and 31st and August 1st.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahirciveen.			
	Fre-quency.		Mean Value.		Fre-quency.		Mean Value.		Fre-quency.		Mean Value.		Fre-quency.		Mean Value.		Fre-quency.		Mean Value.		Fre-quency.		Mean Value.		Fre-quency.		Mean Value.		Fre-quency.		Mean Value.	
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	15	5.2	6	2.6	15	5.2	10	4.5	24	8.3	23	11.5	8	9.4	26	9.4	23	10.4	23	10.4	23	10.4	23	10.4	23	10.4	23	10.4	23	10.4	23	10.4
North ...	10	5.2	8	4.1	6	3.1	0	—	1	3.1	6	2.6	14	17.4	5	15.6	1	3.1	3	1.5	3	1.5	3	1.5	3	1.5	3	1.5	3	1.5	3	1.5
West ...	4	8.3	16	14.6	20	9.4	22	7.3	22	12.5	14	17.4	20	14.6	5	15.6	20	14.6	21	13.5	6	12.5	6	12.5	6	12.5	6	12.5	6	12.5	6	12.5
East ...	21	11.5	3	6.3	2	11.5	1	6.3	2	10.4	3	15.6	0	—	11	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
Calm (or wind-speed < 4 m.p.h.)	1	—	9	—	4	—	4	—	3	—	0	—	1	—	0	—	1	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
No record ...	2	—	0	—	0	—	0	—	0	—	0	—	0	—	11	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	Channel Islands (and Scilly).
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ..	Warmth	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate
	Sunshine	Scanty	Scanty	Abundant	Abundant	Abundant	Abundant	—	Moderate	Moderate	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 9 weeks from June 3rd, 1923.		Warmth												
			2, 3, 4	2, 2, 5	3, 2, 4	3, 2, 4	3, 2, 4	3, 2, 4	2, 3, 4	3, 2, 4	2, 4, 3	3, 3, 3	4, 4, 1	2, 4, 3
			4, 3, 2	1, 3, 5	1, 4, 4	1, 5, 3	3, 0, 6	0, 4, 5	4, 3, 2	2, 1, 6	0, 3, 6	1, 4, 4	1, 2, 6	1, 2, 6
	Sunshine	..	2, 3, 4	1, 4, 4	2, 5, 2	2, 4, 3	1, 3, 5	3, 2, 4	—	1, 2, 6	0, 7, 2	2, 2, 5	2, 1, 6	1, 3, 5
		..	2, 3, 4	1, 4, 4	2, 5, 2	2, 4, 3	1, 3, 5	3, 2, 4	—	1, 2, 6	0, 7, 2	2, 2, 5	2, 1, 6	1, 3, 5

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

126 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day						Ground Temperature.					
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.	Earth 1 ft.		Earth 4 ft.					
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Mean	Deviation from normal	Mean	Deviation from normal				
0. SCOTLAND, N.																										
Shetlands	Lerwick	54	58	1st	46	29th	55.6	48.3	51.7	-1.5	2	0.83	21	+5	Lerwick	2.8	17	—	—	—	—	—	—			
Orkneys	Deerness	160	57	4th	45	29th	55.0	48.4	51.5	-2.5	5	1.26	32	+16	Deerness	1.6	9	—	—	—	—	—	—			
Hebrides	Stornoway	51	64	4th	44	29, 2	59.0	49.3	53.9	-1.1	5	0.41	10	-11	Stornoway	2.8	17	—	—	—	—	—	—			
	Castlebay	37	60	31st	50	31st	58.1	52.0	54.9	—	3	0.37	9	—	Castlebay	6.3	39	—	—	—	—	—	—			
Caithness	Wick	81	59	1, 4	49	2, 4	56.0	50.0	52.8	-2.1	3	1.06	27	+11												
Ross and Cromarty	Strathpeffer	125	65	4th	42	2nd	60.0	48.7	54.0	-2.9	6	1.39	35	+20												
	Achnashellach	225	63	30, 4	45	2nd	59.7	49.7	54.4	—	6	1.32	33	—	Achnashellach	—	—	0	37	—	—	—	—			
Inverness	Inverness	242	66	4th	44	2nd	59.4	49.3	54.1	—	6	1.40	35	—	Inverness	2.4	15	0	40	—	—	—	—			
	Fort Augustus	68	65	4th	44	2nd	60.9	50.1	55.2	-1.6	5	0.75	19	0												
	Onich	48	—	—	—	—	—	—	—	—	—	—	—	—	Onich	—	—	—	—	—	—	—	—			
1. SCOTLAND, E.																										
Nairn	Nairn	82	64	1, 4	45	2nd	61.0	50.3	55.3	-1.7	6	1.17	30	+17	Nairn	2.5	15	—	—	—	—	—	—			
Elgin	Gordon Castle	101	64	30, 1, 4	44	2nd	60.7	49.9	55.0	-2.1	6	1.34	34	+18	Gordon Castle	3.2	20	—	—	—	—	—	—			
Aberdeen	Aberdeen	46	65	4th	45	2nd	60.1	50.4	55.0	—	4	0.51	13	-1	Aberdeen	3.3	20	0	35	—	—	53.8	-0.1			
	Balmoral	930	66	4th	36	2nd	59.9	45.6	52.3	-2.2	5	1.68	43	+28	Balmoral	—	0	32	—	—	—	—	—			
Perth	Crieff	478	68	4th	44	2nd	61.1	48.3	54.3	-3.8	5	1.88	48	+29	(Kin.) Crathes	3.2	20	0	34	55.1	—	52.2	—			
Forfar	Dundee	147	70	4th	46	2nd	62.4	50.0	55.8	—	5	1.56	40	—	Dundee	4.0	25	0	42	57.3	—	—	—			
Fife	Inchkeith	190	64	4th	49	2nd	60.3	51.6	55.7	—	5	1.02	26	—	Inchkeith	4.9	30	0	46	—	—	—	—			
Midlothian	Edinburgh	441	66	4th	48	2nd	61.4	50.3	55.5	-1.8	5	1.40	35	+21	Edinburgh	4.1	26	0	42	—	—	—	—			
Peebles	West Linton	770	65	4th	34	2nd	61.3	39.4	49.7	-5.1	6	2.06	52	—	West Linton	—	1	29	—	—	—	—	—			
Berwick	Marchmont	498	67	4th	43	2nd	62.0	49.1	55.2	-1.7	4	0.81	21	+5	Marchmont	4.5	28	—	—	—	—	—	—			
2a. SCOTLAND, W.																										
Argyle	Ford	149	65	31st	41	30th	61.9	47.0	54.0	—	5	1.06	27	—	Ford	—	0	41	59.8	—	57.6	—	—			
Renfrew	Renfrew	49	66	4th	39	2nd	62.9	49.3	55.7	—	5	1.31	33	—	Renfrew	4.6	29	0	34	—	—	—	—			
Bute	Rothsay	200	65	31st	48	2, 4	60.6	49.0	54.9	-2.7	7	0.89	23	-1	Rothsay	3.7	23	0	42	58.6	—	56.0	+0.3			
Ayr	Kilmarnock	90	70	30th	45	1, 2	66.1	49.7	57.4	+0.6	5	0.74	19	0	Kilmarnock	5.3	33	—	—	58.1	—	54.9	—			
	Colmonell	170	65	31, 1, 4	46	2nd	62.7	50.9	56.5	-0.1	6	2.21	56	+37	Colmonell	—	0	42	—	—	—	—	—			
Dumfries	Dumfries	140	66	4th	41	2nd	63.1	49.4	55.8	-2.8	5	2.56	65	+46	Dumfries	4.3	27	0	40	58.7	-2.0	56.1	-2.1			
	Eskdalemuir	794	65	4th	—	—	60.0	—	—	—	—	—	—	—	Eskdalemuir	—	—	—	—	—	—	—	—			
3b. ISLE OF MAN.																										
I. of Man	Douglas	284	65	1st	48	4th	61.3	51.6	56.2	-1.4	5	0.92	23	+4	Douglas	7.0	44	0	43	—	—	—	—			
2. ENGLAND, N.E.																										
Northumb.	Cockle Park	324	68	4th	45	2nd	61.7	49.0	55.0	-1.7	5	1.19	30	+17	Cockle Park	5.2	33	0	42	55.9	-2.4	55.4	-0.2			
berland	Tynemouth	118	70	4th	50	2nd	63.9	52.9	58.1	-0.1	5	1.10	28	+15	Tynemouth	—	0	44	—	—	—	—	—			
Durham	Durham	336	74	4th	46	2nd	66.1	49.9	57.5	-1.1	4	0.66	17	+4	Durham	5.9	37	0	39	—	—	—	—			
York	Rounton	249	—	—	—	—	—	—	—	—	—	—	—	—	Rounton	—	—	—	—	—	—	—	—			
N. Riding	West Witton	605	68	4th	46	2nd	64.6	50.1	56.9	—	5	0.68	17	—	West Witton	—	0	40	58.9	—	54.8	—	—			
	Scarborough	118	71	4th	50	4th	66.6	53.6	59.7	+0.2	3	0.30	8	-5	Scarborough	7.9	50	—	—	—	—	—	—			
	York	56	71	4th	48	2nd	66.0	52.9	59.1	-1.3	4	0.49	12	0	York	5.5	35	—	—	59.3	-0.8	57.1	+0.1			
E. Riding	Spurn Head	26	68	2nd	52	2nd	65.7	54.3	59.7	-0.6	2	0.15	4	-6	Spurn Head	7.5	48	—	—	—	—	—	—			
Lincoln	Lincoln	58	70	2, 4	48	2nd	68.0	52.4	59.7	-1.3	4	0.49	12	0	Lincoln	—	0	47	60.1	-1.5	58.4	+0.8				
	Cranwell	237	71	4th	47	2nd	67.6	51.3	59.0	-1.8	5	1.28	33	+20	Cranwell	7.9	51	0	38	—	—	—	—			
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	8.6	56	—	—	—	—	—	—			
3. ENGLAND, E.																										
Norfolk	Cromer	196	74	2nd	50	2, 4	69.1	52.4	60.3	0.0	4	0.53	13	+4	Cromer	8.0	52	—	—	—	—	—	—			
	Yarmouth	13	72	2, 4	50	4th	69.4	54.0	61.2	+0.6	3	0.65	16	+5	Yarmouth	8.4	54	0	45	62.4	-1.0	60.4	+0.3			
	Norwich	93	74	2nd	48	2nd	70.0	53.4	61.2	+0.2	4	1.51	38	+27	Norwich	7.9	51	0	44	62.3	—	—	—			
	Geldeston	37	74	2, 4	48	2, 4	69.8	52.6	60.7	0.0	2	0.64	16	+6	Geldeston	7.6	49	—	—	—	—	—	—			
Cambridge	Cambridge	41	75	4th	48	2nd	70.7	53.9	61.8	+0.4	2	0.94	24	+14	Cambridge	8.7	56	0	42	61.9	-1.0	59.2	-0.4			
Hertford	Rothamsted	420	72	4th	46	4th	68.0	51.0	59.0	-1.3	3	0.86	22	+11	Rothamsted	8.2	53	0	38	60.0	—	—	—			
Middlesex	Tottenham	51	75	4th	51	1st	70.7	55.1	62.4	—	2	0.70	18	—	Tottenham	8.7	57	—	—	—	—	—	—			
Essex	Clacton-on-Sea	54	72	3rd	52	1st	69.4	54.7	61.6	+0.2	3	0.44	11	+2	Clacton-on-Sea	8.6	56	0	46	62.0	+0.4	60.0	+0.1			
	Southend	90	77	4th	50	1st	72.3	53.7	62.4	—	3	0.39	10	—	Southend	8.2	53	0	50	64.3	—	—	—			
4. MIDLAND COUNTIES.																										
York	Harrogate	479	69	4th	45	2nd	64.0	50.0	56.6	-1.6	4	0.77	19	+4	Harrogate	6.2	40	0	38	57.2	-0.7	56.0	-0.2			
W. Riding	Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—			
Derby	Buxton	987	68	4th	45	2nd	62.1	49.7	55.5	-1.4	6	1.31	33	+11	Buxton	5.4	35	0	43	57.5	-1.4	55.8	+0.9			
Nottingham	Worksop (Hods/ckP)	56	73	4th	45	2nd	68.7	51.1	59.4	-0.6	5	0.64	16	+4	Worksop	6.3	40	0	37	59.8	—	57.8	—			
	Nottingham	82	72	4th	47	2, 4	67.9	52.0	59.5	-0.9	4	0.67	17	+5	Nottingham	5.9	38	0	44	59.0	-2.1	59.0	+0.5			
Warwick	Birmingham (Edg.)	525	72	4th	49	1, 4	65.7	51.6	58.2	-1.9	5	0.88	22	+9	Birmingham	6.5	42	0	40	55.4	-0.9	53.3	+0.2			
Northampton	Raunds	213	74	4th	47	2, 4	69.3	51.7	60.0	-1.2	2	0.77	20	+8	Raunds	8.2	53	0	42	61.6	—	—	—			
Oxford	Oxford	208	75	4th	49	1st	69.0	52.1	60.0	-1.4	3	0.78	20	+8	Oxford	7.2	47	0	43	—	—	—	—			
Stafford	Cheadle	646	70	4th	45	1, 2, 4	65.3	47.9	56.1	-2.4	5	1.06	27	+10	Cheadle	—	0	40	—	—	—	—	—			
Worcester	T																									

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, August 4th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	+	—	0	3, 4	7	56	78	26	1		70	32	14	3	3	45	20	3	2	55
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	3	5	76	73	6	8		300	32	14	3	17	—	—	—	—	—
1. SCOTLAND, E.																						
Aberdeen Aberdeen ...	72	42	+	—	0	2, 3	9	39	103	17	0		140	31	14	2	20	54	24	3	13	20
Edinburgh Edinburgh ...	485	39	31	—	0	2, 3	16	43	68	41	0		270	32	14	3	10	53	24	3	10	20
6a. SCOTLAND, W.																						
Renfrew Paisley ...	188	81	15	—	0	—	0	42	90	36	0		190	23	10	2	21	49	22	3	12	20
Dumfries Eskdalemuir ...	825	50	22	2	1	2, 3	18	47	73	22	7		170	42	19	2	21	63	28	2	21	30
2. ENGLAND, N.E.																						
Durham South Shields...	72	61	12	—	0	2, 3	23	42	71	32	0		260	36	16	3	9	59	26	3	9	0
York, E.R. Spurn Head ...	67	41	+	—	0	1, 2, 3	32	74	(57)	(5)	0		270	36	16	3	14	50	22	3	15	0
Lincoln Cranwell ...	280	43	31	—	0	2, 3	3	77	(67)	(21)	0		190	27	12	2	16	37	17	2	16	0
3. ENGLAND, E.																						
Norfolk Gorleston ...	52	42	+	—	0	2	3	70	76	19	0		180	28	13	2	15	40	18	2	14	35
Essex Shoeburyness...	103	90	+	—	0	2	8	108	47	5	0		—	29	13	2	13	40	18	31	20	10
5. ENGLAND, S.E.																						
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	33	111	24	0		190	19	8	2	14	35	16	2	15	45
Kent Lympne ...	409	70	+	—	0	3	2	104	58	4	0		240	26	12	3	13	39	17	3	13	50
Surrey Croydon ...	284	40	24	—	0	—	0	65	93	5	5		210	22	10	2	14	38	17	2	14	5
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	71	84	13	0		230	20	9	2	18	35	16	2	17	55
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	30, 2, 3	17	114	36	1	0		230	29	13	2	18	43	19	2	13	20
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	30, 1, 2, 3	24	101	(24)	(0)	19		210	33	15	2	15	43	19	2	14	40
7a. ENGLAND, N.W.																						
Lancashire Fleetwood (Cup Anr.)...	109	44	—	3	1	30 to 3	31	85	48	3	0		220	39	17	3	2	—	—	—	—	—
Lancashire Southport ...	80	62	48	2, 3	15	30 to 3	27	73	53	0	0		240	47	21	3	1	64	29	3	1	35
7b. NORTH WALES.																						
Anglesey Holyhead ...	64	45	+	2	5	2, 3	15	101	39	8	0		190	43	19	2	17	70	31	2	13	10
8b. ENGLAND, S.W.																						
Devon Plymouth ...	185	88	2	2	2	30, 31, 2	19	116	26	0	5		—	41	18	2	10	49	22	2	9	45
Cornwall Pendennis Castle...	256	65	24	2	3	30, 31, 2	22	68	64	11	0		230	39	17	2	13	54	24	2	13	15
10. IRELAND, S.																						
Dublin Kingstown (Cup Anr.)...	49	27	—	2	9	2, 3	23	74	56	6	0		110	49	22	2	9	—	—	—	—	—
Clare Quilty ...	100	40	+	2	5	30, 2 to 4	22	99	40	2	0		—	45	20	2	16	66	29	2	13	5
Kerry Cahirciveen (Val. Obs.)...	98	41	+	2	3	30, 2, 4	18	80	62	0	5		250	40	18	2	12	66	29	2	3	55
Cork Weaver Pt. ...	160	30	+			Instrument under repair.																
11a. SCILLY ISLES.																						
Scilly St. Mary's	150	32	+	—	0	31, 1, 2	30	82	47	8	1		260	31	14	2	13	46	21	2	6	55

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY FIRST WEEK of 1923—July 29th to August 4th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Deviation from Normal		Percentage of Possible Duration
Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal											
0. SCOTLAND, NORTH ..		65	42	58.5	49.3	53.7	- 1.8	82	- 12	0	0	5	0	0.96	24	+ 2	2.2	- 1.3	14	1002
Eastern.																				
1. SCOTLAND, EAST ..		68	34	60.8	48.1	54.1	- 2.9	85	- 19	0	0	5	+ 1	1.31	33	+18	3.6	- 1.5	22	1002
2. ENGLAND, N.E. ..		74	45	65.7	52.0	58.5	- 0.8	115	- 6	0	0	4	+ 1	0.71	18	+ 5	6.8	+0.9	43	1006
3. ENGLAND, EAST ..		75	46	69.6	53.4	61.0	+0.1	133	+ 1	0	0	3	0	0.79	20	+10	8.3	+1.6	54	1009
4. MIDLAND COUNTIES ..		75	44	67.1	51.3	58.7	- 1.3	117	- 9	0	0	4	+ 1	0.86	22	+ 9	6.6	+0.7	42	1008
5. ENGLAND, S.E. ..		77	42	68.5	53.2	60.4	- 1.2	129	- 8	0	0	3	0	0.37	9	- 1	8.8	+1.8	58	1011
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		70	39	62.7	49.7	55.8	- 1.8	97	- 11	0	0	5	+ 1	1.38	35	+14	—	—	—	1003
7. ENGLAND, N.W. (and North Wales)		74	45	64.0	52.4	57.9	- 1.2	111	- 9	0	0	4	0	1.21	30	+10	6.0	+0.2	38	1006
8. ENGLAND, S.W. (and South Wales)		75	42	65.2	53.1	58.8	- 1.1	118	- 7	0	0	4	+ 1	0.70	18	+ 1	6.7	+0.3	44	1009
9. IRELAND, NORTH ..		70	46	62.7	50.6	56.3	- 1.2	100	- 10	0	0	6	+ 1	1.46	37	+17	5.1	+0.7	32	1003
10. IRELAND, SOUTH ..		70	43	64.4	52.2	57.9	- 1.4	111	- 10	0	0	6	+ 2	1.55	39	+19	6.3	+1.3	41	1006
11. CHANNEL ISLANDS (and Scilly)		76	48	66.1	55.9	60.7	- 1.0	131	- 7	0	0	4	+ 1	0.36	9	- 3	8.1	- 0.2	54	1012
MEAN: DISTRICTS 1-10		77	34	65.1	51.6	57.9	- 1.3	112	- 9	0	0	4	+ 1	1.03	26	+10	6.5	+0.7	42	1006
THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, June 3rd to August 4th, 1923.																				
0. SCOTLAND, NORTH ..		80	32	58.9	48.5	53.3	- 0.5	712	- 39	0	- 1	42	+ 5	7.80	179	+35	3.8	- 0.7	21	1012
Eastern.																				
1. SCOTLAND, EAST ..		82	27	62.3	48.0	54.7	- 0.7	796	- 47	0	- 1	35	+ 2	3.99	103	- 30	4.7	- 0.8	27	1013
2. ENGLAND, N.E. ..		91	36	65.0	51.0	57.5	+0.2	979	+21	0	0	26	- 2	3.37	86	- 33	5.7	- 0.3	34	1016
3. ENGLAND, EAST ..		94	31	68.3	52.2	59.7	+0.6	1113	+35	0	0	20	- 8	3.19	81	- 30	6.6	- 0.1	40	1017
4. MIDLAND COUNTIES ..		95	34	67.6	51.8	59.1	+0.5	1080	+35	0	0	23	- 5	3.75	96	- 24	5.2	- 0.8	32	1017
5. ENGLAND, S.E. ..		93	30	68.3	52.7	60.0	+0.2	1132	+13	0	0	15	- 11	1.72	44	- 61	6.9	- 0.2	43	1018
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	31	62.2	50.0	55.7	- 0.6	863	- 44	0	0	38	+ 4	7.56	191	+23	—	—	—	1015
7. ENGLAND, N.W. (and North Wales)		89	33	63.3	52.3	57.4	- 0.3	973	- 14	0	0	30	- 1	4.56	115	- 31	5.0	- 1.1	31	1017
8. ENGLAND, S.W. (and South Wales)		93	36	65.6	52.9	58.8	+0.3	1061	+22	0	0	21	- 9	3.06	78	- 64	5.8	- 0.8	36	1019
9. IRELAND, NORTH ..		82	39	62.1	50.9	56.1	- 0.3	889	- 17	0	0	41	+ 2	5.09	129	- 27	3.5	- 1.5	21	1016
10. IRELAND, SOUTH ..		86	43	65.1	53.1	58.7	+0.7	1051	+40	0	0	31	- 2	4.41	113	- 40	4.5	- 1.0	28	1019
11. CHANNEL ISLANDS (and Scilly)		90	42	65.2	54.4	59.5	- 0.2	1102	- 15	0	0	18	- 11	1.86	47	- 59	7.0	- 0.8	44	1020
MEAN: DISTRICTS 1-10..		95	27	65.0	51.5	57.8	+0.1	994	+ 4	0	0	28	- 3	4.07	104	- 32	5.3	- 0.7	32	1017
THE YEAR. Aggregates, &c., for the Period of 31 Weeks, December 31st, 1922, to August 4th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	50.8	40.6	45.5	+0.5	1079	- 82	317	-199	141	0	28.44	722	+30	3.5	- 0.1	25	1010
Eastern.																				
1. SCOTLAND, EAST ..		82	20	51.5	39.7	45.4	0.0	1153	-163	419	-165	130	+ 9	17.10	438	+12	3.4	- 0.8	25	1011
2. ENGLAND, N.E. ..		91	25	53.4	41.9	47.4	+0.6	1463	- 30	294	-156	109	+ 1	13.14	336	- 5	4.0	- 0.6	30	1013
3. ENGLAND, EAST ..		94	23	55.7	43.0	49.1	+1.3	1768	+36	234	-233	102	- 4	11.65	293	- 34	4.4	- 0.5	33	1014
4. MIDLAND COUNTIES ..		95	22	55.4	42.1	48.5	+0.9	1686	- 29	280	-214	112	+ 7	16.63	423	+55	3.6	- 0.8	27	1014
5. ENGLAND, S.E. ..		93	22	56.3	43.7	49.7	+0.8	1860	+12	183	-174	102	0	14.38	366	+12	4.5	- 0.6	34	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	53.1	41.5	47.1	+0.2	1382	- 80	279	-111	132	+ 4	25.98	657	+32	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		89	24	53.6	43.3	48.3	+0.7	1543	- 38	185	-175	123	+ 9	18.09	459	- 6	3.9	- 0.6	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	55.2	44.2	49.5	+0.7	1761	+ 6	133	-151	117	+ 4	21.09	536	+30	4.2	- 0.6	32	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	- 0.5	26	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly)		90	32	56.4	47.2	51.6	+0.7	2091	+60	3	- 97	125	+ 7	18.14	461	+50	4.9	- 0.9	38	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

129

FOR OFFICIAL USE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 32.
Vol. XL. (New Series) }

THIRTY-SECOND WEEK.

SUNDAY, AUGUST 5TH, TO SATURDAY, AUGUST 11TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), 22 Os. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week in Ireland, Scotland and the northern parts of England was of a rather unsettled character. Rain fell in several places and in some parts the measurements were rather large. In the eastern and southern parts of England anticyclonic conditions prevailed and the weather was fine and dry, in fact in many places the week was rainless. The highest temperatures of the week occurred on various dates and in some of the eastern and south-eastern parts of England maximum readings between 85°F. and 90°F. were recorded, while on the other hand, at one or two stations in the extreme north of Scotland the highest temperatures of the week did not reach 65°F. There was a screen minimum temperature of 33°F. at West Linton (Peebles) and 38°F. at Marlborough (Wilts.) registered on the 5th, but over the country as a whole and especially near the coast warm nights were experienced. The mean temperature for the week was above the normal in all Districts. The mean daily range of temperature in some inland parts of eastern and south-eastern England was between 25° and 30°F. The total amount of rainfall for the week was below the normal in all Districts with the

exception of Scotland W. and Ireland N. where it was above normal. Among the largest amounts recorded were 23mm. at Colmonell, 22mm. at Kilmarnock, 18mm. at Cahirciveen (Valencia Observatory), 17mm. at Rothesay (Bute) and 16mm. at Dundee on the 6th, and 36mm. at Dumfries, 34mm. at Eskdalemuir, 24mm. at Douglas (Isle of Man), 22mm. at Malin Head and 20mm. at Aspatria on the 8th. Good records of sunshine were obtained on several days during the week and at a number of stations sunshine amounts of between 13 and 14 hours were registered. The mean amount of sunshine for the week was above the normal in most parts of the country. Thunder was heard at Aberdeen and Crathes (Kincardine) on the 7th. A double rainbow was seen at Seskin (Carrick-on-Suir) on the 9th. Solar halos were observed at Farnborough and Ross-on-Wye on the 6th, at Hodsock Priory (Worksop) on the 5th and 6th, at Stonyhurst on the 8th, at Birmingham on the 11th and at Oxford on each day of the week with the exception of the 9th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahirciveen.			
	Fre- quency.	Mean Value.			Fre- quency.	Mean Value.			Fre- quency.	Mean Value.			Fre- quency.	Mean Value.			Fre- quency.	Mean Value.			Fre- quency.	Mean Value.			Fre- quency.	Mean Value.			Fre- quency.	Mean Value.		
		m.p.h.	m/s			m.p.h.	m/s			m.p.h.	m/s			m.p.h.	m/s			m.p.h.	m/s			m.p.h.	m/s			m.p.h.	m/s			m.p.h.	m/s	
South ...	14	6	2.9		17	8	3.5		13	6	2.8		13	5	2.3		26	11	5.1		12	9	3.8		19	9	4.1		22	10	4.5	
North ...	7	7	3.0		8	3	1.3		5	3	1.2		4	3	1.4		0	—	—		5	3	1.2		1	1	0.5		2	1	0.6	
West ...	13	13	6.0		25	10	4.5		9	5	2.2		13	5	2.1		24	5	2.3		12	6	2.7		16	7	3.3		14	5	2.3	
East ...	10	8	3.5		1	3	1.3		6	6	2.9		4	2	0.9		2	5	2.4		4	4	1.7		9	5	2.4		7	4	1.7	
Calm (or wind-speed < 4 m.p.h.)	5	—	—		2	—	—		10	—	—		7	—	—		1	—	—		2	—	—		3	—	—		3	—	—	
No record ...	0	—	—		0	—	—		0	—	—		1	—	—		0	—	—		8	—	—		0	—	—		0	—	—	

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Very Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ..	Light	Moderate	Light	Light	Very Light	Nought	Heavy	Moderate	Light	Moderate	Moderate	Very Light
	Sunshine ..	Abundant	Abundant	Abundant	Very Abundant	Abundant	Very Abundant	—	Moderate	Abundant	Moderate	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 10 weeks from June 3rd, 1923.	Warmth ..	3, 3, 4	3, 2, 5	4, 2, 4	4, 2, 4	4, 2, 4	4, 2, 4	3, 3, 4	4, 2, 4	3, 4, 3	4, 3, 3	5, 4, 1	3, 4, 3
	Rainfall ..	4, 3, 3	1, 4, 5	1, 4, 5	1, 5, 4	3, 0, 7	0, 4, 6	5, 3, 2	2, 2, 6	0, 3, 7	1, 5, 4	1, 3, 6	1, 2, 7
	Sunshine ..	3, 3, 4	2, 4, 4	3, 5, 2	3, 4, 3	2, 3, 5	4, 2, 4	—	1, 3, 6	1, 7, 2	2, 3, 5	2, 2, 6	2, 3, 5

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

130 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.					
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.	Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	63	6th	50	5, 11	60.0	51.1	55.3	+2.3	5	0.29	7	Lerwick	3.9	—	24	—	—	—	—	—		
Orkneys	Deerness	160	62	6, 9	48	8th	58.6	50.3	54.2	+0.4	6	0.63	16	Deerness	5.1	+1.3	32	—	—	—	—	—		
Hebrides	Stornoway	51	63	5, 8, 11	43	7th	62.0	49.1	55.2	+0.4	5	0.54	14	Stornoway	4.5	+0.3	28	—	—	—	—	—		
	Castellbay	37	65	10th	53	7th	59.4	54.6	56.9	—	6	0.55	14	Castellbay	4.9	—	31	—	—	—	—	—		
Caithness	Wick	81	66	9th	49	5, 7, 8	60.0	50.4	54.9	+0.3	6	0.28	7		—	—	—	—	—	—	—			
Ross and Cromarty	Strathpeffer	125	69	5, 9	47	5th	65.7	50.1	57.4	+0.9	6	0.39	10		—	—	—	—	—	—	—			
	Achnashellach	225	69	5th	45	8th	63.0	50.4	56.3	—	6	0.74	19	Achnashellach	—	—	—	0	36	—	—	—		
Inverness	Inverness	242	71	5th	46	5, 6	65.9	50.6	57.8	—	3	0.74	19	Inverness	4.6	—	29	0	42	—	—	—		
	Fort Augustus	68	67	8th	42	8th	64.6	50.4	57.1	+0.7	5	0.65	17		—	—	—	—	—	—	—			
	Onich	48	66	5, 9	48	5th	63.6	52.4	57.7	—	5	0.99	25	Onich	1.3	—	8	0	40	—	—	—		
1. SCOTLAND, E.																								
Nairn	Nairn	82	71	5th	46	8th	67.1	53.1	59.7	+3.1	5	0.48	12	Nairn	4.5	—	29	—	—	—	—	—		
Elgin	Gordon Castle	101	70	5, 6, 9	47	7th	67.0	51.3	58.7	+2.0	3	0.25	6	Gordon Castle	5.4	—	34	—	—	—	—	—		
Aberdeen	Aberdeen	46	73	9th	49	5th	66.0	52.3	59.0	—	4	0.50	13	Aberdeen	5.7	+0.8	37	0	39	—	—	53.7	-0.5	
	Balmoral	930	68	7th	40	5th	66.0	47.1	56.0	+2.0	3	0.50	13	Balmoral	—	—	—	0	39	—	—	—		
Perth	Crieff	478	68	5, 7	47	5, 8	65.9	50.7	57.8	+0.2	5	0.80	20	Crieff	5.2	+0.7	33	0	37	57.0	—	52.3	—	
Forfar	Dundee	147	71	7, 9	49	5th	69.3	53.3	60.8	—	4	0.88	22	Dundee	6.0	—	39	0	45	58.7	—	—	—	
Fife	Inchkeith	190	71	5th	52	5, 8, 11	64.6	54.1	59.0	—	5	0.72	18	Inchkeith	6.0	—	39	0	47	—	—	—	—	
Midlothian	Edinburgh	411	74	8th	50	5th	67.6	52.4	59.5	+2.5	4	0.50	13	Edinburgh	4.7	-0.3	30	0	45	—	—	—	—	
Peebles	West Linton	776	69	5th	33	5th	63.1	46.1	54.1	-0.2	6	0.94	24	West Linton	—	—	—	0	31	—	—	—	—	
Berwick	Marchmont	495	75	5th	46	5, 11	67.9	49.3	58.0	+1.5	4	0.86	22	Marchmont	6.1	+1.3	40	—	—	—	—	—	—	
2a. SCOTLAND, W.																								
Argyle	Ford	—	67	5th	47	8th	63.5	51.6	57.3	—	6	1.24	31	Ford	—	—	—	0	42	60.1	—	57.3	—	
Renfrew	Renfrew	49	71	5th	46	5th	66.9	51.9	59.0	—	5	0.58	15	Renfrew	3.7	—	24	0	37	—	—	—	—	
Bute	Rothsay	200	65	5, 7, 11	50	8th	63.6	52.1	57.5	+0.1	6	1.12	29	Rothsay	5.3	—	34	0	45	58.6	—	56.0	0.0	
Ayr	Kilmarnock	90	72	8th	48	8th	68.6	52.3	60.0	+3.5	3	1.31	33	Kilmarnock	3.0	—	19	—	—	58.7	—	55.0	—	
	Colmonell	170	69	7, 11	48	6th	65.7	52.7	58.8	+2.4	4	1.34	34	Colmonell	—	—	—	0	43	—	—	—	—	
Dumfries	Dumfries	140	71	5th	44	5th	65.1	51.3	57.8	-0.4	4	1.94	49	Dumfries	4.4	—	29	0	39	59.6	-1.3	56.3	-2.1	
	Eskdalemuir	794	71	5th	41	5th	65.4	49.1	56.8	—	3	2.47	63	Eskdalemuir	4.1	—	27	0	38	—	—	—	—	
3. ISLE OF MAN.																								
I. of Man	Douglas	284	67	9th	50	11th	62.7	53.0	57.6	+0.2	4	1.87	47	Douglas	4.0	-2.0	26	0	45	—	—	—	—	
2. ENGLAND, N.E.																								
Northumb.	Cockle Park	324	71	6th	44	5th	67.2	50.9	58.6	+2.5	4	0.54	14	Cockle Park	7.1	+1.8	46	0	41	58.4	-0.2	55.2	-0.7	
Derham	Tynemouth	118	73	9th	49	5th	69.0	55.1	61.6	+3.9	4	0.59	15	Tynemouth	—	—	—	0	41	—	—	—	—	
Durham	Durham	336	75	9th	48	5th	71.4	52.3	61.3	+3.8	2	0.32	8	Durham	6.3	+1.3	41	0	37	—	—	—	—	
York	Rounton	249	74	5, 9	44	5th	71.3	52.9	61.6	+4.2	3	0.28	7	Rounton	—	—	—	0	38	60.4	—	—	—	
N. Riding	West Witton	605	75	5th	44	5th	69.9	54.1	61.5	—	3	0.10	3	West Witton	—	—	—	0	42	60.1	—	54.7	—	
	Scarborough	118	74	9th	52	5th	69.1	50.7	62.5	+3.5	1	0.05	1	Scarborough	6.0	+0.5	39	—	—	—	—	—	—	
	York	56	75	8, 9	48	5th	72.0	55.6	63.3	+3.6	4	0.11	3	York	5.1	0.0	33	—	—	60.8	+0.4	57.1	-0.2	
E. Riding	Spurn Head	26	77	8th	57	5, 11	71.0	58.1	64.2	+4.4	2	0.03	1	Spurn Head	7.7	—	50	—	—	—	—	—	—	
Lincoln	Lincoln	58	80	5th	50	11th	74.3	55.3	64.2	+3.9	2	0.04	1	Lincoln	—	—	—	0	47	62.1	+0.2	58.2	+0.1	
	Cranwell	237	78	5th	46	5th	73.7	53.4	62.9	+2.7	0	0.00	0	Cranwell	8.1	+1.9	54	0	39	—	—	—	—	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	7.9	+1.4	52	—	—	—	—	—	—	
3. ENGLAND, E.																								
Norfolk	Cromer	196	86	9th	53	5th	75.0	55.9	64.9	+4.8	0	0.00	0	Cromer	8.9	+2.8	59	—	—	—	—	—	—	
	Yarmouth	13	88	9th	54	11th	75.3	56.9	65.6	+5.2	0	0.00	0	Yarmouth	10.6	—	70	0	50	66.7	+2.9	61.0	+0.6	
	Norwich	93	85	9th	51	5th	77.1	55.1	65.4	+4.7	1	0.05	1	Norwich	10.4	—	69	0	47	65.9	—	—	—	
	Gedeston	37	87	9th	51	11th	77.6	54.4	65.3	+4.9	1	0.06	1	Gedeston	9.5	+3.4	63	—	—	—	—	—	—	
Cambridge	Cambridge	41	85	9th	46	5th	78.3	51.3	64.0	+3.0	0	0.00	0	Cambridge	10.8	+4.7	72	0	39	64.9	+1.7	59.6	-0.3	
Hertford	Rothamsted	420	82	9th	45	5th	75.7	52.3	63.8	+3.4	0	0.00	0	Rothamsted	11.3	+5.3	76	0	34	63.3	—	—	—	
Middlesex	Tottenham	51	87	9th	50	5th	79.7	57.1	67.7	—	0	0.00	0	Tottenham	11.6	—	77	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	78	7, 9	55	6th	73.6	57.4	65.0	+3.8	0	0.00	0	Clacton-on-Sea	10.6	+3.7	71	0	47	65.8	+3.6	60.4	+0.1	
	Southend	90	89	9th	54	6th	81.3	56.9	68.4	—	0	0.00	0	Southend	11.1	—	74	0	54	69.1	—	—	—	
4. MIDLAND COUNTIES.																								
York	Harrogate	479	76	5th	45	5th	70.0	54.1	61.6	+3.6	4	0.19	5	Harrogate	5.8	+0.4	38	0	40	58.6	+0.5	56.3	-0.2	
W. Riding	Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—	
Derby	Buxton	987	73	5th	43	5th	68.6	51.6	59.6	+3.0	2	0.17	4	Buxton	5.7	—	37	0	41	60.0	+0.8	55.4	+0.1	
Nottingham	Worksop (Hodsck Pk)	56	79	8th	42	5th	74.4	51.9	62.5	+2.8	1	0.02	1	Worksop	5.1	+0.2	34	0	38	61.6	—	57.9	—	
	Nottingham	82	79	5th	45	5th	74.0	53.9	63.4	+3.4	0	0.00	0	Nottingham	6.7	+1.1	44	0	45	62.7	+1.3	59.3	+0.3	
Warwick	Birmingham (Edg.)	525	78	5th	51	5, 6	78.9	57.7	68.1	+3.8	1	0.03	1	Birmingham	8.3	+3.5	55	0	38	58.0	+1.5	53.3	-0.2	
Northampton	Raunds	213	82	9th	46	5, 11	76.9	52.3	63.9	+3.0	0	0.00	0	Raunds	10.1	—	67	0	43	65.9	—	—	—	
Oxford	Oxford	208	83	8, 9	45	5th	78.0	53.3	64.9	+3.8	0	0.00	0	Oxford	10.7	+4.6	71	0	37	—	—	—	—	
Stafford	Cheadle	646	75	5th	45	5th	70.6	50.6	60.0	+1.8	3	0.20	5	Cheadle	—	—	—	0	44	—	—	—	—	
Worcester	Tenbury	313	—	—	—	—	—	—	—	—	—	—	—	Tenbury	—	—	—	—	—	—	—	—	—	
	Malvern	377	79	5th																				

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature							
			Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.				
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal			
8a. SOUTH WALES.			Ft.		*F.	*F.		*F.	*F.	*F.	*F.		in.	mm.	mm.		Hr.	Hr.	%		*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth	...	16	h	73	5th	51	11th	67.6	56.7	61.8	—	5	0.30	8	—	Aberystwyth	4.3	-1.4	29	—	—	—	—	—	
Pembroke	St. Ann's Hd.	...	149	t	65	11th	54	7, 11	62.3	56.4	59.2	0.0	2	0.28	7	—	St. Ann's Hd.	3.7	-2.7	24	—	—	—	—	—	
Radnor	Rhayader	...	757	a	72	5th	40	5, 11	68.0	50.3	58.6	—	4	0.12	3	—	Rhayader	6.2	—	41	1	30	—	—	—	
Glamorgan	Cardiff	...	202	p	78	8th	41	5th	71.6	53.1	61.8	+1.5	0	0.00	0	-19	Cardiff	8.6	—	58	0	39	62.8	+0.2	58.5	-0.5
8b. ENGLAND, S.W.																										
Somerset	Bath	...	66	h	81	8th	44	5th	76.6	53.4	64.3	+3.4	0	0.00	0	-14	Bath	10.0	+3.5	66	—	—	64.6	—	60.8	—
Dorset	Shaftesbury	...	722	a	79	9th	50	11th	74.9	53.4	63.5	+3.8	0	0.00	0	-14	Shaftesbury	—	—	63	—	—	64.5	—	59.5	—
Devon	Portland Bill	...	19	t	72	11th	55	9, 10	65.9	57.4	61.4	+0.4	0	0.00	0	-9	Weymouth	9.4	—	63	—	—	—	—	—	
	Arlington	...	613	a	78	6th	53	5, 6, 11	71.3	55.0	62.7	+4.0	3	0.21	5	-19										
	Cullompton	...	202	a	81	8th	42	5th	77.3	51.6	63.7	+3.3	0	0.00	0	-15	Cullompton	8.6	+2.7	58	0	37	65.1	—	—	
	Plymouth	...	116	p	74	10th	52	6th	70.6	56.9	63.3	+2.2	0	0.00	0	-14	Plymouth	7.7	+1.2	52	0	52	66.1	+1.7	60.2	—
Cornwall	Newquay	...	190	h	72	8th	53	11th	68.2	55.6	61.5	+1.0	1	0.02	1	-11	Newquay	7.7	+1.0	51	—	—	63.0	—	58.6	—
	Falmouth	...	167	h	73	5th	55	6, 11	70.9	56.7	63.4	+2.9	0	0.00	0	-16	Falmouth	7.9	+0.9	54	0	48	65.1	—	63.3	—
9. IRELAND, N.																										
Donegal	Malin Head	...	71	t	66	5, 8	52	6th	63.4	54.0	58.4	+1.3	4	1.29	33	+12	Malin Head	5.7	—	37	—	—	—	—	—	
Mayo	Blacksod Point	...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallanree	...	120	a	—	—	—	—	—	—	—	—	—	—	—	—										
Sligo	Markree Castle	...	122	p	70	5, 11	45	11th	66.7	52.4	59.1	+2.1	5	1.28	33	+8	Markree Castle	4.6	+0.3	30	0	42	60.9	-0.8	57.0	+0.1
Armagh	Armagh	...	204	p	70	9, 11	40	11th	67.9	53.4	60.2	+2.5	6	1.11	28	+7	Armagh	5.0	+0.6	32	0	41	60.2	-0.9	57.0	-0.6
Down	Donaghadee	...	35	t	72	7th	48	11th	66.3	52.7	59.1	+1.4	5	1.14	29	+9										
10. IRELAND, S.																										
Dublin	Dublin City	...	54	p	73	5, 8	53	11th	70.1	57.3	63.3	+3.4	3	0.31	8	-10	Dublin City	—	—	—	0	42	61.6	+0.2	56.9	-1.3
King's County	Birr Castle	...	175	t	72	11th	48	11th	68.7	54.3	61.1	+2.8	2	0.79	20	-2	Birr Castle	6.5	+1.7	33	0	44	—	—	—	—
Kilkenny	Kilkenny	...	195	a	73	5th	50	6th	70.0	55.4	62.3	+3.6	2	1.06	27	+7										
Waterford	Waterford	...	137	a	73	9th	51	11th	66.9	55.7	61.0	+1.7	4	0.79	20	-2										
	Seskin, Carrick-on-Suir	...	542	p	72	7, 9, 10	51	6, 11	69.3	54.3	61.4	—	2	0.51	13	—	Seskin	6.3	—	42	0	42	—	—	—	—
Limerick	Foyens	...	50	a	72	11th	51	11th	68.6	55.3	61.6	+2.7	3	0.63	16	-6										
Kerry	Cahirveen (Val.O.)	...	30	t	68	11th	50	11th	64.3	56.4	60.1	+1.0	4	1.20	31	+4	Cahirveen (Valencia O.)	5.3	0.0	36	0	46	—	—	—	—
	Killarney	...	174	a	74	10th	50	11th	70.4	56.1	62.8	+3.5	2	0.51	13	-12										
Cork	Roche's Point	...	32	t	69	9th	52	11th	62.9	55.6	59.0	-0.3	3	0.96	24	+3	Ballinacurra	5.2	-0.1	34	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	...	131	t	69	11th	55	11th	67.6	57.4	62.2	+1.2	1	0.05	1	-13	St. Mary's	5.9	-1.5	40	—	—	—	—	—	
Guernsey	Grange	...	173	p	74	6, 9	55	6th	71.9	56.7	63.8	+1.3	0	0.00	0	-13	Grange	10.7	+2.4	72	0	51	68.6	+4.2	64.0	+2.3
Jersey	St. Aubins	...	25	t	81	8th	52	11th	73.6	57.1	64.9	+1.9	0	0.00	0	-13	St. Heliers	10.5	+2.3	71	—	—	—	—	—	—

*See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, August 11th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	†	—	0	9 to 11	39	39	71	19	0	270	37	17	10	12	53	24	10	11	25
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	10	5	67	78	18	0	260	27	12	10	13	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	†	—	0	—	0	27	120	21	0	290	18	8	10	16	30	13	10	15	55
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	88	64	16	0	200	22	10	8	22	33	15	8	20	15
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	27	98	19	24	270	16	7	10	14	34	15	6	12	35
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	62	81	25	0	180	23	10	8	19	36	16	8	19	10
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	—	0	28	109	31	0	230	21	9	7	13	36	16	7	12	20
York, E.R. Spurn Head ...	67	41	†	—	0	—	0	61	(103)	(4)	0	290	22	10	9	22	28	13	9	22	15
Lincoln Cranwell ...	280	43	31	—	0	—	0	15	(114)	(39)	0	160	15	7	5	12	20	9	5	12	30
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	†	—	0	—	0	18	90	60	0	139	19	9	5	19	25	11	5	19	0
Essex Shoeburyness...	103	90	†	—	0	—	0	10	99	34	25	—	17	8	5	17	23	10	7	14	45
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	0	81	87	0	230	11	5	7	12	23	10	7	11	50
Kent Lympne ...	409	70	†	—	0	—	0	14	143	11	0	240	17	8	7	14	24	11	7	13	55
Surrey Croydon ...	284	40	24	—	0	—	0	0	104	64	0	160	12	5	5	13	23	10	6	12	55
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	0	121	47	0	290	12	5	6	2	20	9	5	14	5
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	44	118	6	0	140	19	9	5	13	29	13	5	11	50
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	73	(95)	(0)	0	160	23	10	5	11	29	13	5	11	30
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	—	0	51	110	7	0	220	20	9	7	18	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	—	0	76	84	8	0	230	22	10	7	12	37	17	7	12	15
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	†	—	0	8	1	104	54	9	0	190	28	13	8	17	40	18	8	17	5
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	—	0	23	114	31	0	—	16	7	7	13	20	9	10	15	20
Cornwall Pendennis Castles ...	256	65	24	—	0	—	0	29	106	33	0	230	20	9	9	10	26	12	9	8	55
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	5, 7	2	53	101	12	0	160	28	13	5	7	—	—	—	—	—
Clare Quilty ...	100	40	†	—	0	—	0	67	86	15	0	—	22	10	5	2	36	16	5	1	25
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	—	0	66	52	26	24	170	24	11	8	9	36	16	7	4	10
Cork Weaver Pt. ...	180	30	†	—	0	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	†	—	0	—	0	29	112	27	0	140	21	9	5	1	29	13	5	0	10

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY-SECOND WEEK of 1923—August 5th to August 11th, 1923.																			
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration			
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal								Below 42°		Deviation from Normal
0. SCOTLAND, NORTH .. Eastern.		°P.	°F.	°P.	°F.	°P.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.	
1. SCOTLAND, EAST ..		69	42	62.7	50.6	56.3	+1.1	100	+ 8	0	0	5	0	0.55	14	- 8	4.7	+1.1	30	1013	
2. ENGLAND, N.E. ..		75	33	66.0	50.5	57.8	+1.2	111	+ 9	0	0	4	0	0.63	16	- 2	5.4	+0.6	34	1015	
3. ENGLAND, EAST ..		80	43	71.0	54.5	62.2	+3.5	141	+24	0	0	2	- 2	0.22	6	- 8	6.9	+1.4	45	1019	
4. MIDLAND COUNTIES ..		88	45	76.5	55.1	65.1	+4.5	162	+32	0	0	0	- 3	0.01	0	- 12	10.5	+4.3	69	1020	
5. ENGLAND, S.E. ..		83	42	74.0	52.9	62.8	+3.1	146	+22	0	0	1	- 2	0.05	1	- 12	7.7	+2.1	51	1019	
6. SCOTLAND, WEST (and Isle of Man)		88	38	76.0	54.3	64.5	+3.0	157	+21	0	0	0	- 3	0.00	0	- 10	11.5	+4.9	77	1020	
7. ENGLAND, N.W. (and North Wales)																					
8. ENGLAND, S.W. (and South Wales)		72	44	65.2	52.1	58.3	+1.0	114	+ 7	0	0	5	+ 1	1.34	34	+11	—	—	—	1017	
9. IRELAND, NORTH ..		77	43	67.9	55.3	61.2	+2.3	134	+16	0	0	4	0	0.70	18	- 1	4.8	- 0.6	32	1018	
10. IRELAND, SOUTH ..		81	40	70.9	54.4	62.2	+2.2	141	+15	0	0	1	- 3	0.06	1	- 15	7.0	+0.8	47	1020	
11. CHANNEL ISLANDS (and Scilly)		72	45	66.6	53.4	59.6	+2.1	123	+15	0	0	4	0	1.12	29	+ 6	4.8	+0.4	31	1015	
MEAN: DISTRICTS 1-10		74	48	67.7	55.8	61.4	+2.3	136	+16	0	0	3	- 1	0.78	20	- 2	5.7	+0.4	37	1017	
		81	52	71.0	57.1	63.6	+1.6	151	+11	0	0	0	- 3	0.01	0	- 14	9.0	+1.1	61	1021	
		88	33	70.2	53.8	61.5	+2.5	137	+18	0	0	2	- 1	0.49	13	- 5	7.1	+1.6	47	1018	
THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, June 3rd to August 11th, 1923.																					
0. SCOTLAND, NORTH ..		80	32	59.2	48.7	53.6	- 0.4	812	- 31	0	- 1	47	+ 5	8.35	211	+27	3.9	- 0.6	22	1012	
1. SCOTLAND, EAST ..		82	27	62.7	48.3	55.0	- 0.5	907	- 38	0	- 1	39	+ 2	4.62	119	- 32	4.8	- 0.6	28	1013	
2. ENGLAND, N.E. ..		91	36	65.6	51.4	58.0	+0.6	1120	+45	0	0	28	- 4	3.59	92	- 41	5.8	- 0.2	35	1016	
3. ENGLAND, EAST ..		94	31	69.1	52.5	60.2	+0.9	1275	+67	0	0	20	- 11	3.20	81	- 42	7.0	+0.4	43	1017	
4. MIDLAND COUNTIES ..		95	34	68.3	51.9	59.5	+0.8	1226	+57	0	0	24	- 7	3.80	97	- 36	5.5	- 0.5	34	1017	
5. ENGLAND, S.E. ..		93	30	69.1	52.8	60.4	+0.4	1289	+34	0	0	15	- 14	1.72	44	- 71	7.3	+0.3	46	1018	
6. SCOTLAND, WEST (and Isle of Man)																					
7. ENGLAND, N.W. (and North Wales)		86	31	62.5	50.2	55.9	- 0.5	977	- 37	0	0	43	+ 5	8.90	225	+34	—	—	—	1015	
8. ENGLAND, S.W. (and South Wales)		89	33	63.8	52.6	57.8	0.0	1107	+ 2	0	0	34	- 1	5.26	133	- 32	5.0	- 1.1	31	1017	
9. IRELAND, NORTH ..		93	36	66.1	53.0	59.2	+0.6	1202	+37	0	0	22	- 12	3.12	79	- 79	5.9	- 0.6	37	1019	
10. IRELAND, SOUTH ..		82	39	62.5	51.1	56.5	0.0	1012	- 2	0	0	45	+ 2	6.21	158	- 21	3.6	- 1.3	22	1016	
11. CHANNEL ISLANDS (and Scilly)		86	43	65.3	53.4	58.9	+0.8	1187	+56	0	0	34	- 3	5.19	133	- 42	4.6	- 0.9	28	1019	
MEAN: DISTRICTS 1-10..		90	42	65.8	54.7	59.9	- 0.1	1253	- 4	0	0	18	- 14	1.87	47	- 73	7.2	- 0.6	45	1020	
		95	27	65.5	51.7	58.1	+0.3	1130	+22	0	0	30	- 4	4.56	116	- 36	5.5	- 0.5	34	1017	
THE YEAR. Aggregates, &c., for the Period of 32 Weeks, December 31st, 1922, to August 11th, 1923.																					
0. SCOTLAND, NORTH ..		80	24	51.2	40.9	45.9	+0.6	1179	- 74	317	-199	146	0	28.99	736	+22	3.5	- 0.1	25	1010	
1. SCOTLAND, EAST ..		82	20	52.0	40.1	45.8	+0.1	1264	-154	419	-165	134	+ 9	17.73	454	+10	3.5	- 0.7	26	1011	
2. ENGLAND, N.E. ..		91	25	53.9	42.3	47.9	+0.7	1604	- 6	294	-156	111	- 1	13.36	342	- 13	4.1	- 0.5	31	1013	
3. ENGLAND, EAST ..		94	23	56.3	43.4	49.6	+1.4	1930	+68	234	-233	102	- 7	11.66	293	- 46	4.6	- 0.3	34	1014	
4. MIDLAND COUNTIES ..		95	22	56.0	42.5	48.9	+0.9	1832	- 7	280	-214	113	+ 5	16.68	424	+43	3.7	- 0.7	28	1014	
5. ENGLAND, S.E. ..		93	22	56.9	44.0	50.2	+0.9	2017	+33	183	-174	102	- 3	14.38	366	+ 2	4.7	- 0.4	36	1015	
6. SCOTLAND, WEST (and Isle of Man)																					
7. ENGLAND, N.W. (and North Wales)		86	20	53.5	41.8	47.4	+0.2	1496	- 73	279	-111	137	+ 5	27.32	691	+43	—	—	—	1012	
8. ENGLAND, S.W. (and South Wales)		89	24	54.1	43.6	48.7	+0.7	1677	- 22	185	-175	127	+ 9	18.79	477	- 7	4.0	- 0.5	30	1013	
9. IRELAND, NORTH ..		93	24	55.7	44.5	49.9	+0.8	1902	+21	133	-151	118	+ 1	21.15	537	+15	4.3	- 0.6	33	1014	
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.4	27	1012	
11. CHANNEL ISLANDS (and Scilly)		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MEAN: DISTRICTS 1-10 ..		90	32	56.8	47.5	52.0	+0.7	2242	+71	3	- 97	125	+ 4	18.15	461	+36	5.1	- 0.7	38	1016	
		—	—	—	—	—	—	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	—	—	—	—	—	—	—	—	—	—
		°P.	°F.	°P.	°F.	°P.	°F.							in.	mm.	mm.	hr.	hr.	%	mb.	

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.FORTY-SIXTH YEAR. } No. 33.
Vol. XL. (New Series) }

THIRTY-THIRD WEEK.

SUNDAY, AUGUST 12TH, TO SATURDAY, AUGUST 18TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Isles generally the weather of the week was for the most part of a rather unsettled type. There were one or two bright days, but showers of rain fell in most parts of the country and at one or two stations hail was reported. Thunderstorms occurred in various places during the week, notably on Saturday afternoon when many of the eastern and south-eastern parts of England experienced a heavy thunderstorm which passed over the country from Southampton to the Humber. The highest temperatures occurred during the first half of the week and at a number of places in the eastern and south-eastern parts of England maximum readings of about 85°F. were recorded. After the 14th, however, there was a drop in the day temperatures in most parts of the country. The lowest of the screen minima (40°F.) were registered at Eskdalemuir on the 12th and at Balmoral on the 12th and 15th, while the lowest reading of the grass thermometer (29°F.) occurred at Wisley (Surrey) on the 16th. The mean temperature for the week, over the country as a whole, did not differ much from the normal. The total amount of rainfall for the week was above the normal in the

northern and eastern parts of the country but in most of the southern Districts it was below normal. Among the largest amounts recorded were 20mm. at Blackpool and Stonyhurst on the 12th, 34mm. at Cambridge, 27mm. at Lincoln, 25mm. at Geldeston (near Beccles), 23mm. at Norwich and 21mm. at Oxford on the 14th, 27mm. at Rothesay (Bute), 24mm. Lancaster, 23mm. at Ford (Argyll) and 21mm. at Kilmarnock on the 16th and 23mm. at Stonyhurst and 22mm. at Buxton on the 17th. The largest amounts of sunshine were recorded during the first half of the week in most places when a number of stations registered between 12 and 13 hours. The departure of the mean duration from the normal for the week ranged from +1.4 hours at Margate and Rothamsted to -2.5 hours at Aberystwyth. Solar halos were seen at Birmingham on the 12th, at Shoburness on the 15th, at Margate, Richmond (Kew Observatory), Ross-on-Wye and South Farnborough on the 16th and at Oxford on the 12th, 14th, 15th, and 16th. A lunar halo was observed at Guernsey on the 18th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahiriveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	12	6 2.6	7	5 2.3	12	9 3.9	13	5 2.4	16	10 4.5	8	5 2.3	15	6 2.8	11	10 4.6
North	7	6 2.7	10	4 2.0	8	5 2.3	7	5 2.4	6	6 2.5	17	9 3.8	8	5 2.4	12	6 2.8
West	17	13 6.0	23	12 5.3	13	8 3.4	19	6 2.8	22	11 5.0	21	13 5.6	21	13 6.0	19	11 5.0
East	6	8 3.6	1	6 2.5	10	6 2.6	3	4 1.7	1	1 0.6	2	5 2.3	4	4 1.7	5	4 1.6
Calm (or wind- speed < 4 m.p.h.)	1	—	4	—	5	—	6	—	4	—	2	—	3	—	3	—
No record ...	3	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	11. Channel Islands (and Scilly).
		0. Scotland. N.	1. Scotland. E.	2. England. N.E.	3. England. E.	4. Midland Counties.	5. England. S.E.	6. Scotland. W. (and I. of Man).	7. England. N.W. (and N. Wales).	8. England. S.W. (and S. Wales).	9. Ireland. N.	10. Ireland. S.	
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
Comparison with the normal for the time of year ...	Warmth ..	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual
	Rainfall ..	Moderate	Moderate	Heavy	Heavy	Moderate	Light	Heavy	Moderate	Light	Moderate	Light	Light
	Sunshine ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	Scanty	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 11 weeks from June 3rd, 1923.	Warmth ..	3, 4, 4	3, 3, 5	4, 3, 4	5, 2, 4	5, 2, 4	5, 2, 4	3, 4, 4	4, 3, 4	4, 4, 3	5, 3, 3	6, 4, 1	4, 4, 3
	Rainfall ..	4, 4, 3	1, 5, 5	2, 4, 5	2, 5, 4	3, 1, 7	0, 4, 7	6, 3, 2	2, 3, 6	0, 3, 8	1, 6, 4	1, 3, 7	1, 2, 8
	Sunshine ..	3, 4, 4	2, 5, 4	3, 6, 2	3, 5, 3	2, 4, 5	4, 3, 4	—	1, 3, 7	1, 8, 2	2, 4, 5	2, 3, 6	2, 4, 5

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	62	12th	46	17th	58.1	50.6	54.1	+1.5	5	0.53	13	- 3	Lerwick	5.3	-	34	-	-	-	-	-	-
Orkneys	Deerness	160	61	13,14	49	16,17,18	57.0	50.0	53.3	0.0	7	0.37	9	- 7	Deerness	4.2	0.0	27	-	-	-	-	-	-
Hebrides	Stornoway	51	64	13th	49	15, 16	59.4	51.0	55.0	+0.7	6	1.49	38	+16	Stornoway	3.0	- 1.6	20	-	-	-	-	-	-
	Castlebay	37	-	-	-	-	-	-	-	-	-	-	-	-	Castlebay	-	-	-	-	-	-	-	-	-
Caithness	Wick	81	68	13th	47	15th	59.7	50.0	54.6	+0.5	7	0.42	11	- 4										
Ross and Cromarty	Strathpeffer	125	72	12th	44	15th	63.7	49.7	56.3	+0.4	6	0.76	19	+ 5										
	Achnashellach	225	-	-	45	12th	62.7	49.6	55.8	-	7	1.24	31	-	Achnashellach	-	-	-	0	37	-	-	-	-
Inverness	Inverness	242	69	12, 13	48	13, 15, 17	62.3	50.0	55.8	-	7	0.68	17	-	Inverness	3.9	-	25	0	44	-	-	-	-
	Fort Augustus	68	69	12th	46	12th	62.3	50.0	55.8	- 0.1	7	0.99	25	+ 6										
	Onich	48	66	14th	48	16th	61.3	51.1	55.9	-	7	2.10	53	-	Onich	2.0	-	13	0	43	-	-	-	-
1. SCOTLAND, E.																								
Nairn	Nairn	82	71	13th	46	12, 15	64.0	50.0	56.6	+0.8	7	0.81	21	+ 6	Nairn	4.0	-	26	-	-	-	-	-	-
Elgin	Gordon Castle	101	72	12, 13	47	15th	63.9	50.4	56.8	+0.9	6	0.95	24	+ 5	Gordon Castle	3.5	-	23	-	-	-	-	-	-
Aberdeen	Aberdeen	46	74	13th	45	15th	64.4	50.0	56.8	-	5	0.92	23	+ 6	Aberdeen	4.1	- 0.8	27	0	32	-	-	54.4	0.0
	Balmoral	930	70	13th	40	12, 15	62.0	45.9	53.5	+0.4	6	0.64	16	- 3	Balmoral	-	-	-	0	32	-	-	-	-
Perth	Crieff	478	71	13th	43	15th	64.6	48.1	55.9	- 0.9	4	1.17	30	+ 4	(Kinc.) Crathes	4.2	- 0.3	28	0	34	56.6	-	52.9	-
Forfar	Dundee	147	76	13th	46	15th	68.6	50.9	59.2	-	5	0.92	23	-	Dundee	4.8	-	32	0	40	59.6	-	-	-
Fife	Inchkeith	190	65	13th	49	15th	61.0	52.3	56.4	-	5	0.56	14	-	Inchkeith	5.1	-	34	0	47	-	-	-	-
Midlothian	Edinburgh	441	69	13th	48	15th	63.4	50.6	56.6	+0.3	4	0.43	11	- 7	Edinburgh	3.8	- 1.0	26	0	45	-	-	-	-
Peebles	West Linton	770	63	12, 14	41	12th	61.1	47.0	53.6	- 0.1	5	0.87	22	-	West Linton	-	-	-	0	39	-	-	-	-
Berwick	Marchmont	498	70	13th	46	12, 15	64.0	49.0	56.1	+0.4	4	0.58	15	- 5	Marchmont	4.7	- 0.1	31	-	-	-	-	-	-
2a. SCOTLAND, W.																								
Argyle	Ford	149	64	18th	47	12th	62.1	51.6	56.5	-	7	1.85	47	-	Ford	-	-	-	0	47	60.5	-	57.5	-
Renfrew	Renfrew	49	68	13th	44	12th	63.7	51.0	56.5	-	6	0.86	22	-	Renfrew	4.2	-	28	0	37	-	-	-	-
Bute	Rothsay	200	64	13, 14, 18	49	15, 16	61.0	51.0	55.7	- 1.3	6	2.27	58	+30	Rothsay	4.3	-	29	0	44	59.3	-	56.0	- 0.2
Ayr	Kilmarnock	90	68	14th	45	15th	64.4	50.9	57.3	+1.3	6	1.27	32	+10	Kilmarnock	4.0	-	26	-	-	58.3	-	55.3	-
	Colmonell	170	65	14th	49	15th	62.6	51.7	56.8	+0.8	7	1.29	33	+10	Colmonell	-	-	-	0	43	-	-	-	-
Dumfries	Dumfries	140	70	13th	45	15th	68.7	50.0	56.4	- 1.4	4	0.93	24	+ 2	Dumfries	4.0	-	27	0	39	59.5	- 1.1	56.9	- 1.7
	Eskdalemuir	794	66	13th	40	12th	61.4	47.9	54.3	-	6	1.46	37	-	Eskdalemuir	2.9	-	19	0	37	-	-	-	-
3. ISLE OF MAN.																								
I. of Man	Douglas	284	69	13th	50	12, 15	62.3	52.0	56.8	- 0.3	4	1.15	29	+ 7	Douglas	4.7	- 1.2	32	0	46	-	-	-	-
4. ENGLAND, N.E.																								
Northumb.	Cockle Park	324	69	13th	46	15, 16	65.0	48.6	56.3	+0.7	3	0.61	15	- 2	Cockle Park	5.0	- 0.1	33	0	42	56.9	- 1.1	55.8	- 0.1
berland	Tynemouth	118	71	13th	49	16th	64.9	52.4	58.3	+1.0	5	0.63	16	0	Tynemouth	-	-	-	0	45	-	-	-	-
Durham	Durham	336	73	13th	48	12th	67.1	50.0	58.0	+0.6	5	0.73	19	+ 5	Durham	4.3	- 0.5	29	0	38	-	-	-	-
York	Rounton	249	73	13th	47	12, 16	67.9	50.1	58.5	+1.6	6	0.69	18	+ 2	Rounton	-	-	-	0	35	60.0	-	-	-
N. Riding	West Witton	605	72	14th	45	12th	65.7	50.3	57.5	-	5	0.49	12	-	West Witton	-	-	-	0	40	59.5	-	55.1	-
	Scarborough	118	78	13th	49	16th	69.1	52.9	60.5	+2.0	4	0.49	12	- 4	Scarborough	4.7	- 0.6	32	-	-	-	-	-	-
	York	56	73	13, 14	48	12th	67.9	52.3	59.6	+0.4	5	0.73	19	+ 4	York	4.0	- 0.8	27	-	-	60.7	+0.4	57.8	+0.2
E. Riding	Spurn Head	26	75	13th	49	16th	65.0	54.7	59.5	+0.1	6	0.96	24	+12	Spurn Head	4.3	-	29	-	-	-	-	-	-
Lincoln	Lincoln	58	78	12, 13	48	16th	70.4	52.7	61.0	+1.2	4	1.80	46	+32	Lincoln	-	-	-	0	45	61.8	+0.2	58.9	+0.5
	Cranwell	237	79	13th	47	16th	70.1	52.3	60.7	+1.1	5	0.67	17	+ 2	Cranwell	4.9	- 1.1	33	0	40	-	-	-	-
	Skegness	-	-	-	-	-	-	-	-	-	-	-	-	-	Skegness	4.9	- 1.3	33	-	-	-	-	-	-
5. ENGLAND, E.																								
Norfolk	Cromer	196	82	13th	50	17th	68.9	53.3	60.6	+0.7	3	0.57	14	+ 3	Cromer	5.9	- 0.4	40	-	-	-	-	-	-
	Yarmouth	13	82	13th	48	16th	67.1	55.3	60.9	+0.8	4	1.14	29	+15	Yarmouth	5.9	-	40	0	42	65.9	+2.3	62.3	+1.7
	Norwich	93	83	13th	49	16th	69.4	53.3	60.9	+0.5	4	1.16	29	+16	Norwich	5.6	-	38	0	45	64.0	-	-	-
	Geldeston	37	84	13th	48	16th	69.8	52.4	60.6	+0.5	4	1.21	31	+19	Geldeston	5.9	- 0.4	40	-	-	-	-	-	-
Cambridge	Cambridge	41	85	13th	47	16th	72.1	52.7	61.8	+1.1	3	1.46	37	+24	Cambridge	6.4	+0.2	44	0	41	64.5	+1.5	60.7	+0.5
Hertford	Rothamsted	420	80	13th	47	16th	70.6	52.9	61.2	+1.7	4	0.67	17	+ 3	Rothamsted	7.6	+1.4	52	0	37	63.5	-	-	-
Middlesex	Tottenham	51	85	13th	50	16th	73.4	57.9	65.2	-	3	0.31	8	-	Tottenham	7.7	-	53	-	-	-	-	-	-
Essex	Clacton-on-Sea	54	85	13th	50	16th	69.4	58.0	63.4	+2.4	4	0.28	7	- 3	Clacton-on-Sea	6.9	- 0.2	48	0	45	65.2	+2.9	61.7	+1.2
	Southend	90	84	13th	48	16th	72.3	56.7	64.0	-	4	0.24	6	-	Southend	7.3	-	50	0	47	69.1	-	-	-
6. MIDLAND COUNTIES.																								
York	Harrogate	479	71	14th	45	12th	65.6	49.9	57.3	- 0.3	6	0.86	22	+ 6	Harrogate	5.0	- 0.3	34	0	42	58.4	+0.5	57.2	+0.6
W. Riding	Sheffield	429	-	-	-	-	-	-	-	-	-	-	-	-	Sheffield	-	-	-	-	-	-	-	-	-
Derby	Buxton	987	71	12th	45	12th	68.7	51.4	57.2	+1.0	6	1.94	49	+25	Buxton	2.4	-	16	0	44	59.4	+0.2	55.9	+0.2
Nottingham	Worksop(HodsckP)	56	79	13th	44	12th	71.3	51.1	60.6	+1.3	4	0.67	17	+ 4	Worksop	3.9	- 1.0	26	0	37	60.5	-	58.1	-
	Nottingham	82	77	12, 13	48	12th	69.6	53.4	61.0	+1.4	4	0.88	22	+ 9	Nottingham	4.1	- 1.5	28	0	43	61.8	+0.8	60.5	+1.2
Warwick	Birmingham(Edg.)	525	78	14th	46	16th	69.3	53.4	60.9	+1.5	4	0.62	16	+ 1	Birmingham	4.3	- 0.4	30	0	42	58.3	+1.4	54.0	+0.1
Northampton	Raunds	213	83	13th	47	12, 16	72.1	52.4	61.7	+1.2	3	0.30	7	- 6	Raunds	6.0	-	41	0	43	65.7	-	-	-
Oxford	Oxford	208	81	13th	47	16th	73.1	53.3	62.6	+1.9	4	0.95	24	+11	Oxford	7.2	+1.2	50	0	40	-	-	-	-
Stafford	Cheadle	646	74	12, 13	45	16th	67.0	58.0	62.5	+0.2	4	0.78	20	+ 1	Cheadle	-	-	-	0	43	-	-	-	-
Worcester	Tenbury	313	-	-	-	-	-	-	-	-	-													

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week			Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.						Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.								*F.		*F.		*F.		*F.	
Cardigan	Aberystwyth ...	149	h	75	12th	51	16th	65.0	57.3	60.9	—	5	0.32	8	—	Aberystwyth	3.2	- 2.5	22	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	140	t	65	12, 14	53	16th	62.3	55.7	58.8	0.0	6	0.37	9	- 8	St. Ann's Hd.	5.6	- 0.8	38	—	—	—	—	—	
Radnor	Rhayader ...	757	a	74	13, 14	48	12, 16	66.3	52.1	58.8	—	4	0.44	11	—	Rhayader ..	4.7	—	32	0	38	—	—	—	
Glamorgan	Cardiff ...	202	p	78	12th	47	16th	68.7	54.3	61.1	+1.4	4	0.25	6	- 16	Cardiff ..	5.6	—	39	0	39	62.8	+0.2	59.3	0.0
8b. ENGLAND, S.W.																									
Somerset	Bath ...	66	h	79	12th	49	16th	71.9	55.4	63.2	+2.9	4	0.37	9	- 6	Bath ..	5.7	- 0.8	39	—	—	64.9	—	61.6	—
Dorset	Shaftesbury ...	722	a	76	13th	46	16th	68.7	53.7	60.8	+1.7	3	0.24	6	- 9	Shaftesbury ..	—	—	—	—	—	65.1	—	60.6	—
	Portland Bill ...	19	t	69	15th	56	16th	65.9	59.0	62.2	+1.5	0	0.00	0	- 10	Weymouth ...	6.1	—	42	—	—	—	—	—	—
Devon	Arlington ...	613	a	74	12th	47	16th	66.3	54.5	60.1	+1.9	5	0.69	18	- 8	Cullompton ...	5.3	- 0.7	37	0	36	66.3	—	—	—
	Cullompton ...	202	a	80	13th	42	16th	72.6	53.4	62.4	+2.6	5	0.30	8	- 8	Plymouth ..	5.8	- 0.8	40	0	42	65.6	+1.5	61.1	—
	Plymouth ...	116	p	77	12th	47	16th	69.6	56.4	62.6	+2.0	3	0.09	2	- 14										
Cornwall	Newquay ...	190	h	75	12th	51	12th	65.8	57.4	61.4	+1.3	3	0.11	3	- 11	Newquay ..	6.1	- 0.6	42	—	—	63.5	—	59.1	—
	Falmouth ...	167	h	74	13th	52	16th	68.6	57.6	62.8	+2.3	1	0.19	5	- 12	Falmouth ..	5.9	- 1.1	41	0	48	66.3	—	64.4	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	63	12th	48	16th	60.6	53.1	56.6	- 0.4	7	0.86	22	+ 3	Malin Head ..	5.2	—	35	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
	Mallarany ...	120	a	68	13th	52	14, 15, 16	63.7	53.9	58.5	—	5	1.35	34	—	Mallarany ..	5.3	—	36	—	—	—	—	—	—
Sligo	Markree Castle ...	122	p	69	13th	49	16th	63.7	52.0	57.5	+0.8	6	0.97	25	+ 2	Markree Castle	4.8	+0.2	33	0	43	60.9	-0.2	57.2	-0.1
Armagh	Armagh ...	204	p	71	13th	47	15th	65.4	52.7	58.7	+1.3	6	0.70	18	- 1	Armagh ..	4.5	-0.1	30	0	43	60.6	-0.3	57.5	-0.4
Down	Donaghadee ...	35	t	71	13th	47	15th	63.6	52.4	57.7	+0.2	6	0.71	18	0										
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	72	13th	50	16th	66.1	55.1	60.3	+1.0	4	0.70	18	+ 1	Trinity Coll.	5.2	—	—	0	45	62.1	+0.8	58.6	+0.2
King's County	Birr Castle ...	175	t	68	13th	47	15th	64.4	54.1	58.9	+1.1	4	0.51	13	- 8	Phoenix Park	—	-0.3	35	0	45	—	—	—	—
Kilkenny	Kilkenny ...	195	a	73	13th	46	16th	66.1	53.3	59.3	+1.2	3	0.52	13	- 6	Dublin City ..	—	—	—	0	45	—	—	—	—
Waterford	Waterford ...	137	a	76	13th	49	15, 16	67.1	55.1	60.7	+1.9	4	0.30	8	- 13	Birr Castle ..	3.9	-0.9	26	0	38	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	76	13th	47	15th	66.1	52.9	59.1	—	4	0.35	9	—	Seskin ..	5.6	—	38	0	47	—	—	—	—
Limerick	Foynes ...	50	a	68	13th	51	15, 16	64.7	55.4	59.8	+1.4	4	0.64	16	- 5										
Kerry	Cahiriveen (Val.O.)	30	t	67	13th	54	16th	62.9	57.1	59.8	+1.1	4	1.08	27	+ 1	Cahiriveen	3.5	- 1.8	24	0	48	—	—	—	—
	Killarney ...	174	a	75	13th	49	15th	67.0	55.7	61.0	+2.1	4	0.38	10	- 14	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point ...	32	t	68	13th	51	16th	64.7	55.7	59.9	+1.0	5	0.44	11	- 10	Ballinacurra	4.9	-0.3	33	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's ...	131	t	70	12th	53	16th	66.7	57.3	61.7	+0.8	2	0.13	3	- 11	St. Mary's ..	6.3	-0.9	44	—	—	—	—	—	—
Guernsey	Grange ...	173	p	78	13th	54	16th	70.9	58.4	64.3	+1.9	2	0.16	4	- 9	Grange ..	8.6	+0.6	60	0	47	71.6	+7.1	65.3	+3.2
Jersey	St. Aubins ...	25	t	83	12th	56	16, 17	72.4	59.6	65.6	+2.7	3	0.11	3	- 10	St. Heliers ..	8.6	+0.7	60	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, August 18th, 1923.

DISTRICT, COUNTY & STATION.	Height			Distribution of Wind. &c.								Extreme Velocities.									
	Above Mean Sea Level	Above Ground	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.					Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m.p.h	m/s.	d	hr.	m.p.h	m/s.	d	h.	m.
Shetlands Lerwick ...	310	42	+	—	0	13, 15	5	94	62	7	0	280	30	13	13	20	39	17	13	20	5
Orkneys **Deerness (Cup Anr.)	168	16	5	—	0	—	0	86	52	7	23	270	23	10	13	18	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	—	0	29	118	21	0	170	16	7	17	7	37	16	15	16	23
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	70	78	20	0	300	23	10	15	17	40	18	15	16	45
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	24	120	24	0	280	17	8	15	16	37	17	15	11	45
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	46	88	30	4	270	19	9	16	2	36	16	16	1	0
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	—	0	66	87	15	0	260	20	9	13	14	33	15	15	14	53
York, E.R. Spurn Head ...	67	41	+	—	0	15, 16	10	100	56	2	0	290	28	13	15	23	37	17	17	?	?
Lincoln Cranwell ...	280	43	31	—	0	—	0	60	86	22	0	200	20	9	17	9	28	13	15	14	30
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	+	—	0	—	0	40	94	34	0	150	21	9	13	11	32	14	17	11	30
Essex Shoeburyness...	103	90	+	—	0	17	1	51	88	19	9	—	27	12	17	14	40	18	17	13	55
5. ENGLAND, S.E.																					
Surrey Richmond ...	82	65	22	—	0	—	0	9	88	71	0	210	17	7	17	13	39	17	18	12	15
Kent Lympne ...	409	70	+	—	0	17, 18	4	49	106	4	5	250	27	12	17	12	42	19	18	12	30
Surrey Croydon ...	284	40	24	—	0	—	0	24	113	24	7	240	18	8	17	10	35	16	17	13	55
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	28	113	27	0	220	21	9	17	13	36	16	17	14	15
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	17	4	88	63	13	0	260	21	9	18	11	42	19	17	12	45
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	17, 18	16	97	55	0	0	290	32	14	18	13	42	19	18	11	35
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	15 to 18	32	79	49	8	0	280	34	15	15	24	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	13, 15 to 18	34	70	55	9	0	290	33	15	15	24	42	19	15	23	15
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	—	0	17, 18	5	97	46	19	1	200	28	13	17	4	45	20	17	2	30
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	17	4	67	64	33	0	—	28	13	17	12	40	18	17	12	20
Cornwall Pendennis Castle...	256	65	24	—	0	17, 18	9	59	61	37	2	230	32	14	17	9	42	19	18	11	25
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	17, 18	5	97	53	13	0	270	26	12	18	10	—	—	—	—	—
Clare Quilly ...	100	40	+	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	16, 17	3	89	66	10	0	210	26	12	16	24	40	18	16	23	35
Cork Weaver Pt. ...	160	30	+	—	0	—	0	56	106	6	0	—	24	11	17	3	37	17	17	3	15
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	—	0	17, 18	36	50	38	44	0	290	31	14	18	14	44	20	18	13	50

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

(Direction from the Robinson Anemometer at Falmouth Observatory.)

**For Deerness the week ends at midnight on Friday.

†Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY-THIRD WEEK of 1923—August 12th to August 18th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr	%	mb.
0. SCOTLAND, NORTH ..		72	44	61.0	50.3	55.4	+0.7	94	+ 5	0	0	6	+ 1	1.07	27	+ 4	3.7	- 0.3	24	1011
Eastern.																				
1. SCOTLAND, EAST ..		74	40	63.1	49.1	55.7	- 0.1	96	0	0	0	5	+ 1	0.81	21	+ 2	4.3	- 0.5	28	1012
2. ENGLAND, N.E. ..		79	43	67.5	51.8	59.2	+1.0	120	+ 6	0	0	5	+ 1	0.81	21	+ 6	4.6	- 0.6	31	1015
3. ENGLAND, EAST ..		85	47	70.1	54.5	61.8	+1.5	139	+11	0	0	4	+ 1	0.85	22	+10	6.6	+0.4	45	1016
4. MIDLAND COUNTIES ..		83	44	70.0	52.5	60.7	+1.4	131	+10	0	0	4	+ 1	0.63	16	+ 2	5.3	- 0.3	36	1016
5. ENGLAND, S.E. ..		85	42	71.3	55.4	62.9	+1.8	146	+12	0	0	3	0	0.30	8	- 5	7.3	+0.5	50	1017
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		70	44	62.8	51.0	56.6	- 0.3	102	- 3	0	0	6	+ 2	1.37	35	+10	—	—	—	1014
7. ENGLAND, N.W. (and North Wales) ..		76	44	64.9	53.6	58.9	+0.4	118	+ 3	0	0	5	+ 1	0.99	25	+ 6	3.7	- 1.6	25	1016
8. ENGLAND, S.W. (and South Wales) ..		80	42	68.1	55.2	61.3	+1.8	135	+12	0	0	3	- 1	0.29	7	- 11	5.3	- 0.9	36	1018
9. IRELAND, NORTH ..		71	47	63.5	52.9	57.9	+0.6	111	+ 4	0	0	6	+ 1	0.75	19	- 2	4.7	- 0.0	31	1014
10. IRELAND, SOUTH ..		76	46	65.4	55.2	60.0	+1.4	126	+10	0	0	4	0	0.57	15	- 6	4.4	- 0.9	30	1018
11. CHANNEL ISLANDS (and Scilly) ..		83	53	70.0	58.4	63.9	+2.0	153	+14	0	0	2	- 2	0.13	3	- 11	7.9	+0.1	55	1020
MEAN: DISTRICTS 1-10		85	40	66.7	53.1	59.5	+0.9	122	+ 7	0	0	5	+ 1	0.74	19	+ 1	5.1	- 0.4	35	1015
THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, June 3rd to August 18th, 1923.																				
0. SCOTLAND, NORTH ..		80	32	59.4	48.8	53.8	- 0.2	906	- 26	0	- 1	53	+ 6	9.42	238	+31	3.8	- 0.6	22	1012
Eastern.																				
1. SCOTLAND, EAST ..		82	27	62.7	48.3	55.0	- 0.5	1003	- 38	0	- 1	44	+ 3	5.43	140	- 30	4.7	- 0.6	28	1013
2. ENGLAND, N.E. ..		91	36	65.8	51.4	58.1	+0.6	1240	+51	0	0	33	- 3	4.40	113	- 35	5.7	- 0.2	35	1016
3. ENGLAND, EAST ..		94	31	69.2	52.7	60.4	+1.0	1414	+78	0	0	24	- 10	4.05	103	- 32	7.0	+0.4	43	1017
4. MIDLAND COUNTIES ..		95	34	68.4	51.9	59.6	+0.8	1357	+67	0	0	28	- 6	4.43	113	- 34	5.4	- 0.5	34	1017
5. ENGLAND, S.E. ..		93	30	69.3	53.1	60.6	+0.5	1435	+46	0	0	18	- 14	2.02	52	- 76	7.3	+0.3	46	1018
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		86	31	62.5	50.3	56.0	- 0.5	1079	- 40	0	0	49	+ 7	10.27	260	+44	—	—	—	1015
7. ENGLAND, N.W. (and North Wales) ..		89	33	63.9	52.7	57.9	0.0	1225	+ 5	0	0	39	0	6.25	158	- 26	4.9	- 1.1	30	1017
8. ENGLAND, S.W. (and South Wales) ..		93	36	66.3	53.2	59.4	+0.7	1337	+49	0	0	25	- 13	3.41	86	- 90	5.9	- 0.6	37	1019
9. IRELAND, NORTH ..		82	39	62.6	51.3	56.6	0.0	1123	+ 2	0	0	51	+ 3	6.96	177	- 23	3.7	- 1.2	22	1016
10. IRELAND, SOUTH ..		86	43	65.3	53.6	59.0	+0.8	1313	+66	0	0	38	- 3	5.76	148	- 48	4.6	- 0.9	29	1018
11. CHANNEL ISLANDS (and Scilly) ..		90	42	66.2	55.0	60.2	+0.1	1406	+10	0	0	20	- 16	2.00	50	- 84	7.2	- 0.6	46	1020
MEAN: DISTRICTS 1-10..		95	27	65.6	51.9	58.3	+0.3	1253	+29	0	0	35	- 4	5.30	135	- 35	5.5	- 0.5	34	1017
THE YEAR. Aggregates, &c., for the Period of 33 Weeks, December 31st, 1922, to August 18th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	51.5	41.2	46.1	+0.5	1273	- 69	317	-199	152	+ 1	30.06	763	+26	3.5	- 0.1	25	1010
Eastern.																				
1. SCOTLAND, EAST ..		82	20	52.3	40.4	46.1	+0.1	1360	-154	419	-165	139	+10	18.54	475	+12	3.5	- 0.7	26	1011
2. ENGLAND, N.E. ..		91	25	54.3	42.5	48.2	+0.7	1724	0	294	-156	116	0	14.17	363	- 7	4.1	- 0.5	31	1013
3. ENGLAND, EAST ..		94	23	56.7	43.7	49.9	+1.3	2069	+79	234	-233	106	- 6	12.51	315	- 36	4.6	- 0.4	35	1014
4. MIDLAND COUNTIES ..		95	22	56.4	42.8	49.3	+0.9	1963	+ 3	280	-214	117	+ 6	17.31	440	+45	3.7	- 0.7	28	1014
5. ENGLAND, S.E. ..		93	22	57.4	44.3	50.6	+0.9	2163	+45	183	-174	105	- 3	14.68	374	- 3	4.8	- 0.4	36	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		86	20	53.8	42.1	47.7	+0.2	1598	- 76	279	-111	143	+ 7	28.69	726	+53	—	—	—	1012
7. ENGLAND, N.W. (and North Wales) ..		89	24	54.4	43.9	49.0	+0.7	1795	- 19	185	-175	132	+10	19.78	502	- 1	4.0	- 0.5	29	1013
8. ENGLAND, S.W. (and South Wales) ..		93	24	56.1	44.8	50.2	+0.7	2037	+33	133	-151	121	0	21.44	544	+ 4	4.4	- 0.5	32	1015
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.4	27	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLANDS (and Scilly) ..		90	32	57.2	47.8	52.3	+0.7	2395	+85	3	- 97	127	+ 2	18.28	464	+25	5.1	- 0.8	39	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 137

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CROSSLAND, CARDIFF; or 120, GEORGE STREET, EDINBURGH.FORTY-SIXTH YEAR. } No. 34.
Vol. XL (New Series)

THIRTY-FOURTH WEEK.

SUNDAY, AUGUST 19TH, TO SATURDAY, AUGUST 25TH, 1923.

Price 3d. Net, Post free 3d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again of a very unsettled character. Rain fell on several days and at one or two stations in Scotland and the south-east of England hail was reported. Thunderstorms occurred in many parts of the country and in places rainfall measurements of 25mm. and more were registered. Among the largest amounts recorded during the week were 38mm. at Crieff (Perth), 35mm. at Rothesay (Bute), and at Kilmarnock (Ayr), 33mm. at Eskdalemuir, 28mm. at Dundee and at Renfrew, 27mm. at Malin Head and 26mm. at Blacksod Point on the 20th, 38mm. at Lerwick on the 21st, 39mm. at Roches Point, 31mm. at Waterford, 29mm. at Cardiff and 27mm. at Pembroke (St. Ann's Head) and Seskin (Carrick-on-Suir) on the 23rd, and 27mm. at Margate on the 24th. The total amount of rainfall for the week was in excess of the normal in all Districts. Maximum temperatures between 70° and 75°F. were registered in parts of England, but in some places in Scotland and Ireland the highest temperatures of the week were round about

60°F. The lowest of the screen minima occurred during the latter half of the week in most places, the lowest reading, 34°F. being registered at Eskdalemuir on the 25th, while ground frosts were recorded at one or two stations in Scotland and also at Rhayader (Radnor) on the same date. The mean temperature for the week was below the normal in all Districts, the greatest deficit -2.6°F. occurring in Scotland E. Several good records of sunshine were obtained about the middle of the week, notably on the 22nd, when a number of places in the eastern and southern parts of England registered between 12 and 13 hours. The total amount for the week was below the normal in nearly all parts of the country. The departure of the mean duration from the normal for the week ranged from +0.8 hours at Margate to -3.0 at Aberystwyth. Solar halos were observed at Oxford on the 23rd and 25th. Lunar halos were seen at Oxford on the 20th and at Guernsey on the 21st, 24th and 25th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Silly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahiriveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South ...	12	11 5.0	14	8 3.5	21	8 3.4	22	8 3.7	24	12 5.5	11	13 5.9	20	9 4.0	20	10 4.4
North ...	13	9 4.0	6	6 2.6	2	3 1.5	2	3 1.5	4	11 4.8	12	10 4.3	5	8 3.6	8	9 4.1
West ...	12	19 8.7	20	11 5.1	22	6 2.7	25	5 2.4	24	11 4.9	27	14 6.3	21	14 6.1	22	11 4.9
East ...	13	9 4.1	2	2 0.7	0	—	1	2 1.0	3	5 2.4	0	—	3	3 1.4	4	2 1.1
Calm (or wind-speed < 4 m.p.h.)	1	—	4	—	5	—	1	—	0	—	0	—	2	—	0	—
No record ...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate
	Rainfall ..	Very Heavy	Very Heavy	Moderate	Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Very Heavy	Moderate
	Sunshine ..	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	—	Scanty	Scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 12 weeks from June 3rd, 1923.												
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.
	Warmth ..	3, 4, 5	3, 3, 6	4, 4, 4	5, 3, 4	5, 3, 4	5, 3, 4	3, 4, 5	4, 4, 4	4, 5, 3	5, 3, 4	6, 5, 1
	Rainfall ..	5, 4, 3	2, 5, 5	2, 5, 5	3, 5, 4	4, 1, 7	1, 4, 7	7, 3, 2	3, 3, 6	1, 3, 8	2, 6, 4	2, 3, 7
	Sunshine ..	3, 5, 4	2, 5, 5	3, 6, 3	3, 6, 3	2, 4, 6	4, 4, 4	—	1, 3, 8	1, 8, 3	2, 5, 5	2, 4, 6

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	58	20th	45	25th	55.4	48.0	51.5	-0.9	5	2.31	59	+43	Lerwick	1.7	—	11	—	—	—	—	—	—
Orkneys	Deerness	160	p	58	20th	46	24, 25	54.7	47.7	51.0	-2.2	6	2.09	53	+37	Deerness	3.4	-0.5	23	—	—	—	—	—	—
Hebrides	Stornoway	51	t	60	20, 21	42	25th	56.1	47.7	51.7	-2.3	5	1.63	41	+19	Stornoway	2.8	-1.5	19	—	—	—	—	—	—
	Castlebay	37	t	59	19th	49	24th	56.6	50.9	53.6	—	6	1.21	31	—	Castlebay	3.9	—	26	—	—	—	—	—	—
Caithness	Wick	81	t	61	21st	45	19th	55.6	48.6	51.9	-2.0	6	1.55	39	+24										
Ross and Cromarty	Strathpeffer	125	a	61	20, 21	43	25th	58.6	48.7	53.4	-2.1	7	1.84	47	+33										
Inverness	Achnashellach	225	a	64	19th	43	25th	57.9	47.9	52.6	—	7	3.58	91	—	Achnashellach	—	—	—	0	38	—	—	—	—
	Inverness	242	a	61	21st	43	25th	58.3	47.6	52.6	—	7	1.51	38	—	Inverness	4.2	—	29	0	40	—	—	—	—
	Fort Augustus	68	a	62	20th	38	25th	59.0	47.3	52.8	-2.7	6	1.83	46	+27										
	Onich	48	a	65	21st	41	25th	59.6	49.0	54.0	—	6	1.89	48	—	Onich	1.7	—	12	0	35	—	—	—	—
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	63	21st	44	25th	59.4	49.7	54.3	-1.3	7	2.29	58	+44	Nairn	3.9	—	27	—	—	—	—	—	—
Elgin	Gordon Castle	101	p	66	21st	44	25th	59.6	48.4	53.7	-2.1	5	1.54	39	+21	Gordon Castle	4.0	—	27	—	—	—	—	—	—
Aberdeen	Aberdeen	46	t	64	22nd	45	25th	59.4	48.9	53.8	—	4	1.06	27	+12	Aberdeen	4.1	-0.7	28	0	33	—	—	54.2	-0.1
	Balmoral	930	a	63	21st	36	25th	57.9	44.6	50.9	-2.0	6	1.22	31	+14	Balmoral	—	—	—	1	30	—	—	—	—
Perth	Crieff	478	p	63	20th	39	25th	57.9	45.7	51.4	-5.2	6	3.17	81	+58	(Kinc.) Crathes	4.2	-0.2	29	0	31	—	—	52.7	—
Forfar	Dundee	147	a	64	21, 22	40	25th	61.6	48.0	54.4	—	4	1.83	46	—	Dundee	4.3	—	29	0	37	—	—	58.4	—
Pife	Inchkeith	190	t	63	21st	47	25th	57.9	50.6	54.0	—	5	1.32	34	—	Inchkeith	3.9	—	27	0	40	—	—	—	—
Middlethian	Edinburgh	441	p	63	21st	46	25th	58.3	49.3	53.5	-2.6	7	1.57	40	+25	Edinburgh	3.2	-1.6	22	0	41	—	—	—	—
Peebles	West Linton	770	a	60	20, 21	36	25th	58.6	46.6	52.2	-1.0	7	1.65	42	—	West Linton	—	—	—	0	31	—	—	—	—
Berwick	Marchmont	498	a	64	20, 21	40	25th	60.4	47.4	53.5	-2.0	5	1.13	29	+11	Marchmont	3.7	-1.0	25	—	—	—	—	—	—
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	63	19th	38	25th	59.1	48.4	53.4	—	6	2.39	61	—	Ford	—	—	—	0	40	—	—	59.2	—
Renfrew	Renfrew	49	t	63	20th	40	25th	59.6	48.4	53.7	—	7	2.24	57	—	Renfrew	2.8	—	19	0	36	—	—	—	—
Bute	Rothsay	200	p	66	21st	44	25th	59.9	49.1	54.2	-2.2	7	3.14	80	+51	Rothsay	3.3	—	23	0	39	—	—	57.9	—
Ayr	Kilmarnock	90	a	68	19th	42	25th	62.0	50.1	55.7	+0.3	6	2.62	67	+44	Kilmarnock	2.8	—	19	—	—	—	—	55.4	-0.1
	Colmonell	170	a	63	19th	47	25th	59.7	51.1	55.1	-0.4	6	1.79	45	+21	Colmonell	—	—	—	0	44	—	—	—	—
Dumfries	Dumfries	140	p	63	20th	41	25th	60.1	49.4	54.4	-2.7	7	2.14	54	+32	Dumfries	3.2	—	22	0	35	—	—	58.0	-1.7
	Eskdalemuir	794	t	61	19th	34	25th	57.7	46.3	51.7	—	7	2.99	76	—	Eskdalemuir	2.2	—	15	1	30	—	—	56.8	-1.8
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	a	62	19th	47	25th	56.3	50.6	54.7	-1.9	5	1.76	45	+22	Douglas	4.0	-1.6	27	0	42	—	—	—	—
2. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	65	21st	40	25th	60.7	47.1	53.5	-1.7	6	0.73	19	-1	Cockle Park	3.4	-1.4	23	0	37	—	—	54.8	-1.8
	Tynemouth	118	t	65	21st	46	25th	61.3	51.3	56.0	-0.9	6	0.70	18	0	Tynemouth	—	—	—	0	42	—	—	—	—
Durham	Durham	336	p	66	24th	42	25th	60.9	48.9	54.5	-2.5	5	0.58	15	-1	Durham	3.8	-0.6	27	0	34	—	—	—	—
York	Rounton	249	p	67	24th	43	25th	62.6	48.9	55.3	-1.2	7	0.95	24	+6	Rounton	—	—	—	0	31	—	—	58.7	—
N. Riding	West Witton	605	p	66	24th	43	25th	61.9	48.6	54.9	—	7	1.53	39	—	West Witton	—	—	—	0	37	—	—	57.1	—
	Scarborough	118	a	68	24th	47	25th	63.6	51.9	57.4	-0.9	6	1.01	26	+8	Scarborough	3.7	-1.2	26	—	—	—	—	59.1	—
	York	56	p	68	24th	46	25th	63.3	51.7	57.2	-1.5	7	0.82	21	+5	York	3.8	-1.2	23	—	—	—	—	57.6	-0.1
E. Riding	Spurn Head	26	t	67	21st	51	22, 23, 25	63.3	53.1	57.9	-1.2	6	0.77	20	+6	Spurn Head	4.6	—	32	—	—	—	—	—	—
Lincoln	Lincoln	58	a	69	21st	45	25th	65.6	51.1	57.9	-1.4	5	0.59	15	-1	Lincoln	—	—	—	0	43	—	—	59.4	-1.3
	Cranwell	237	t	68	21, 24	44	25th	64.6	50.4	57.1	-2.1	5	0.64	16	-1	Cranwell	5.0	-0.5	35	0	39	—	—	58.7	+0.2
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	5.2	-0.5	37	—	—	—	—	—	—
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	71	21st	47	23rd	65.9	52.6	58.9	-0.7	7	0.57	14	+1	Cromer	5.3	-0.3	37	—	—	—	—	—	—
	Yarmouth	13	t	74	21st	49	23rd	67.0	53.6	59.9	+0.2	5	1.41	36	+20	Yarmouth	5.5	—	39	0	44	—	—	61.9	-0.8
	Norwich	93	a	71	21st	49	23rd	66.4	53.3	59.5	-0.3	3	0.76	19	+3	Norwich	5.2	—	36	0	44	—	—	61.8	—
	Gedleston	37	a	73	21st	49	23rd	67.5	53.0	59.8	+0.2	6	0.95	24	+10	Gedleston	5.0	-0.6	35	—	—	—	—	—	—
Cambridge	Cambridge	41	p	71	20th	44	25th	66.3	51.0	58.2	-1.9	6	0.97	25	+10	Cambridge	4.4	-1.2	31	0	40	—	—	61.5	-0.6
Hertford	Rothamsted	420	a	67	20, 21	45	25th	64.6	50.9	57.3	-1.6	4	0.58	15	-1	Rothamsted	4.8	-0.8	34	0	39	—	—	59.4	—
Middlesex	Tottenham	51	p	70	22nd	50	25th	66.9	54.4	60.3	—	4	0.98	25	—	Tottenham	5.4	—	38	—	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	70	21, 22	49	25th	66.6	54.4	60.1	-0.4	4	0.35	9	-3	Clacton-on-Sea	5.8	-0.6	41	0	45	—	—	61.7	+0.1
	Southend	90	a	71	21st	48	25th	67.3	52.7	59.6	—	4	0.93	24	—	Southend	5.2	—	37	0	47	—	—	64.1	—
4. MIDLAND COUNTIES.																									
York	Harrogate	479	a	66	24th	47	22nd	60.9	49.7	55.0	-1.9	6	1.04	26	+7	Harrogate	3.9	-1.1	27	0	39	—	—	56.8	-0.5
W. Riding	Sheffield	429	p	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—
Derby	Buxton	987	p	64	20th	44	23, 25	60.4	48.7	54.2	-1.3	7	1.63	41	+12	Buxton	3.2	—	23	0	44	—	—	56.4	-1.9
Nottingham	Worksop (Hods'ck P)	56	a	72	24th	43	25th	67.3	49.9	58.1	-0.5	6	0.72	18	+3	Worksop	4.1	-0.4	29	0	37	—	—	58.6	—
	Nottingham	82	t	70	20th	44	25th	64.1	52.0	57.7	-1.2	6	0.74	19	+4	Nottingham	3.8	-1.3	27	0	38	—	—	58.5	-1.3
Warwick	Birmingham (Edg.)	525	t	68	20th	46	23rd	63.0	50.9	56.6	-2.1	7	0.97	25	+1	Birmingham	3.4	-1.0	24	0	42	—	—	55.5	-1.1
Northampton	Raunds	213	a	71	20, 21, 23	44	22, 25																		

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.		in.	mm.	mm.		Hr.	Hr.	%		*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth ...	16	h	63	20th	51	24th	61.4	55.3	58.2	—	5	1.20	30	—	Aberystwyth	2.5	- 3.0	18	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	61	19th	52	24.25	59.7	54.7	57.1	- 1.7	5	1.85	47	+ 26	St. Ann's Hd.	4.3	- 1.7	30	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	62	24th	40	25th	59.7	48.6	53.8	—	7	1.63	41	—	Rhayader ..	3.4	—	24	1	30	—	—	—	
Glamorgan	Cardiff	202	p	67	24th	48	25th	63.0	52.7	57.5	- 2.1	4	1.67	42	+ 15	Cardiff ..	4.3	—	30	0	39	59.7	- 2.0	59.1	- 0.3
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	69	20th	46	25th	66.1	53.0	59.2	- 0.6	6	0.79	20	+ 2	Bath	3.6	- 2.5	26	—	—	61.9	—	61.5	—
Dorset	Shaftesbury ...	722	a	70	20.25	45	25th	65.9	50.1	57.5	- 1.3	5	0.70	18	- 1	Shaftesbury ..	—	—	—	—	—	60.1	—	60.3	—
Devon	Portland Bill ...	19	t	67	24th	56	25th	63.7	57.9	60.6	0.0	2	0.16	4	- 9	Weymouth ...	5.6	—	40	—	—	—	—	—	—
	Arlington	613	a	64	24th	46	25th	62.0	51.5	56.4	- 1.5	5	1.93	49	+ 16	Cullompton ..	4.5	- 1.1	32	0	36	62.9	—	—	—
	Cullompton	202	a	75	20th	45	23.25	68.6	51.9	59.8	+ 0.4	5	1.04	26	+ 7	Plymouth ...	5.0	- 1.2	36	0	43	62.6	- 0.5	61.0	—
Plymouth...		116	p	69	20th	48	25th	65.7	55.0	60.0	- 0.3	5	1.17	30	+ 11										
Cornwall	Newquay	190	h	66	20th	50	23rd	62.9	55.0	58.7	- 1.2	6	1.02	26	+ 8	Newquay ..	5.0	- 1.3	35	—	—	60.3	—	59.2	—
	Falmouth	167	h	69	20th	50	23rd	65.0	54.6	59.5	- 0.3	6	1.37	35	+ 13	Falmouth ..	5.5	- 1.1	39	0	43	62.9	—	63.6	—
9. IRELAND, N.																									
Donegal	Malin Head	71	t	61	25th	47	25th	59.0	50.9	54.7	- 1.8	7	2.14	54	+ 33	Malin Head ..	4.2	—	29	—	—	—	—	—	—
Mayo	Blackod Point ...	10	t	62	19.23.25	45	22.25	60.6	48.6	54.2	- 3.1	7	2.39	61	+ 33										
Sligo	Mallarany	120	a	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
	Markree Castle ...	122	p	65	23.25	43	24th	62.9	47.9	55.0	- 1.0	7	2.29	58	+ 32	Markree Castle	4.0	- 0.1	28	0	39	59.2	- 1.2	57.5	+ 0.1
Armagh	Armagh	204	p	63	21.23.25	44	25th	61.7	48.9	54.9	- 1.7	6	1.42	36	+ 15	Armagh ..	3.3	- 0.9	23	0	39	58.7	- 1.4	57.3	- 0.6
Down	Donaghadee	35	t	63	21st	46	25th	60.0	50.3	54.9	- 2.0	6	1.21	31	+ 11										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	65	20th	47	25th	62.7	51.9	57.0	- 1.9	7	1.38	35	+ 15	Trinity Coll.	—	—	—	0	41	60.1	- 0.5	58.5	+ 0.1
King's County	Birr Castle	175	t	64	23rd	46	24th	62.1	50.0	55.7	- 1.7	7	2.02	51	+ 27	Phoenix Park	3.9	- 1.1	27	0	39	—	—	—	—
Kilkenny	Kilkenny	195	a	65	23rd	43	23rd	63.1	49.4	55.8	- 2.0	7	1.57	40	+ 17	Dublin City ..	—	—	—	0	42	—	—	—	—
Waterford	Waterford	137	a	65	20.21.22	48	24.25	63.6	51.4	57.1	- 1.3	6	2.28	58	+ 33	Birr Castle ...	4.0	- 0.4	28	0	38	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	65	22.23	47	23.24	63.0	49.9	56.1	—	7	2.01	51	—	Seskin	4.1	—	29	0	47	—	—	—	—
Limerick	Foynes	50	a	65	23rd	48	24th	62.9	51.9	57.1	- 1.0	7	1.95	49	+ 24										
Kerry	Cahiriveen (Val.O.)	30	t	64	23rd	50	25th	61.3	53.4	57.1	- 1.5	7	2.54	65	+ 32	Cahiriveen	4.6	- 0.3	32	0	46	—	—	—	—
Cork	Killarney	174	a	65	19.24	46	25th	63.9	51.1	57.1	- 1.5	6	1.72	44	+ 14	(Valencia O.)	—	—	—	—	—	—	—	—	—
	Roche's Point ...	32	t	63	19.22	50	25th	61.4	53.4	57.2	- 1.5	7	2.70	69	+ 44	Ballinacurra	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	66	19.20.21	54	22nd	64.3	56.3	60.1	- 0.5	6	0.93	23	+ 7	St. Mary's ..	5.0	- 1.7	36	—	—	—	—	—	—
Guernsey	Grange	173	p	69	21st	54	25th	66.0	56.4	60.9	- 1.3	6	1.00	25	+ 10	Grange	5.6	- 1.9	40	0	48	66.2	+ 2.3	65.4	+ 3.1
Jersey	St. Aubins	25	t	70	21st	55	25th	66.9	58.1	62.2	- 0.4	5	0.35	9	- 6	St. Heliers ..	5.3	- 2.1	38	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, August 25th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.			
0. SCOTLAND, N. Shetlands Lerwick ... Orkneys **Deerness (Cup Anr.) ... 1. SCOTLAND, E. Aberdeen Aberdeen ... Edinburgh Edinburgh ... 6a. SCOTLAND, W. Renfrew Paisley ... Dumfries Eskdalemuir ... 2. ENGLAND, N.E. Durham South Shields... York, E.R. Spurn Head ... Lincoln Cranwell ... 3. ENGLAND, E. Norfolk Gorleston ... Essex Shoeburyness... 5. ENGLAND, S.E. Surrey Richmond (Kew Obs.)... Kent Lympne ... Surrey Croydon ... Hampshire Petersfield (Stoner Hill)... Hampshire S. Farnboro' ... Wiltshire (Pye's Tr.)... Larkhill, S'y Plain ... 7a. ENGLAND, N.W. Lancashire Fleetwood (Cup Anr.)... Lancashire Southport ... 7b. NORTH WALES. Anglesey Helyhead ... 8b. ENGLAND, S.W. Devon Plymouth ... Cornwall Pendeennis Castles ... 10. IRELAND, S Dublin Kingstown (Cup Anr.)... Clare Quilty ... Kerry Cahirciveen (Val. Obs.)... Cork Weaver Pt. ... 11a. SCILLY ISLES. Scilly St. Mary's ...	ft. 310 188 72 485 188 825 61 67 280 52 103 82 409 284 811 444 513 109 80 64 185 256 49 100 98 160 150	ft. 42 16 42 39 81 50 12 † 43 42 90 85 70 40 42 160 44 82 45 88 65 27 40 41 30 32	ft. † 5 † 31 15 22 † 31 † † † 22 † † 24 — 48 — 43 —																

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY-FOURTH WEEK of 1923—August 19th to August 25th, 1923.																		Mean Pressure at M.S.L.
		Temperature of the Air.										Rainfall.				Sunshine.				
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 49°	Deviation from Normal											
0. SCOTLAND, NORTH ..	°F.	°F.	°F.	°F.	°F.		day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.	
Eastern.	65	38	57.5	48.2	52.6	- 1.8	74	- 13	0	0	6	+ 1	2.09	53	+30	3.5	- 0.3	24	1000	
1. SCOTLAND, EAST ..	66	36	58.9	47.7	53.0	- 2.6	77	- 18	0	0	6	+ 2	1.67	43	+26	3.9	- 0.8	27	1000	
2. ENGLAND, N.E. ..	69	40	62.9	50.5	56.3	- 1.5	100	- 11	0	0	6	+ 2	0.75	19	+ 2	4.1	- 0.8	28	1006	
3. ENGLAND, EAST ..	74	44	66.4	52.9	59.3	- 0.4	121	- 3	0	0	5	+ 1	0.82	21	+ 7	5.2	- 0.4	36	1009	
4. MIDLAND COUNTIES ..	72	43	64.9	50.5	57.3	- 1.3	107	- 9	0	0	6	+ 2	0.91	23	+ 6	3.9	- 1.3	27	1008	
5. ENGLAND, S.E. ..	72	41	66.3	53.0	59.2	- 1.3	120	- 10	0	0	4	0	0.97	25	+10	5.5	- 0.7	39	1009	
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..	68	38	60.0	49.6	54.5	- 1.8	88	- 13	0	0	6	+ 1	2.30	58	+32	—	—	—	1002	
7. ENGLAND, N.W. (and North Wales) ..	66	43	61.2	52.1	56.4	- 1.7	101	- 12	0	0	6	+ 2	1.28	33	+ 9	3.1	- 1.8	22	1005	
8. ENGLAND, S.W. (and South Wales) ..	75	40	63.9	53.0	58.1	- 1.1	113	- 8	0	0	5	+ 1	1.23	31	+ 9	4.2	- 1.6	30	1009	
9. IRELAND, NORTH ..	65	43	61.1	49.4	54.9	- 1.8	90	- 13	0	0	7	+ 2	1.91	49	+26	3.7	- 0.5	25	1003	
10. IRELAND, SOUTH ..	65	43	62.6	51.6	56.8	- 1.5	104	- 10	0	0	7	+ 2	2.02	51	+26	4.2	- 0.7	30	1006	
11. CHANNEL ISLANDS (and Scilly) ..	70	54	65.7	56.9	61.1	- 0.5	134	- 3	0	0	6	+ 2	0.76	19	+ 3	5.3	- 1.9	38	1012	
MEAN: DISTRICTS 1-10	75	36	62.8	51.0	56.6	- 1.5	102	- 11	0	0	6	+ 1	1.39	35	+15	4.2	- 1.0	29	1006	
THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, June 3rd to August 25th, 1923.																				
0. SCOTLAND, NORTH ..	80	32	59.2	48.8	53.7	- 0.4	980	- 39	0	- 1	59	+ 7	11.51	291	+61	3.8	- 0.6	22	1011	
Eastern.																				
1. SCOTLAND, EAST ..	82	27	62.4	48.3	54.9	- 0.6	1080	- 56	0	- 1	50	+ 5	7.10	183	- 4	4.6	- 0.7	28	1012	
2. ENGLAND, N.E. ..	91	36	65.5	51.3	58.0	+0.5	1340	+40	0	0	39	- 1	5.15	132	- 33	5.6	- 0.2	34	1015	
3. ENGLAND, EAST ..	94	31	68.9	52.7	60.3	+0.9	1535	+75	0	0	29	- 9	4.87	124	- 25	6.8	+ 0.3	43	1017	
4. MIDLAND COUNTIES ..	95	34	68.1	51.8	59.4	+0.6	1464	+58	0	0	34	- 4	5.34	136	- 28	5.3	- 0.6	33	1017	
5. ENGLAND, S.E. ..	93	30	69.1	53.1	60.5	+0.4	1555	+36	0	0	22	- 14	2.99	77	- 66	7.2	+ 0.3	46	1017	
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..	86	31	62.3	50.3	55.9	- 0.6	1167	- 53	0	0	55	+ 8	12.57	318	+76	—	—	—	1014	
7. ENGLAND, N.W. (and North Wales) ..	89	33	63.7	52.6	57.8	- 0.1	1326	- 7	0	0	45	+ 2	7.53	191	- 17	4.8	- 1.1	30	1016	
8. ENGLAND, S.W. (and South Wales) ..	93	36	66.1	53.2	59.3	+0.5	1450	+41	0	0	30	- 12	4.64	117	- 81	5.7	- 0.7	37	1018	
9. IRELAND, NORTH ..	82	39	62.5	51.1	56.6	0.0	1213	- 11	0	0	58	+ 5	8.87	226	+ 3	3.7	- 1.1	23	1015	
10. IRELAND, SOUTH ..	86	43	65.1	53.4	58.9	+0.7	1417	+56	0	0	45	- 1	7.78	199	- 22	4.6	- 0.8	29	1017	
11. CHANNEL ISLANDS (and Scilly) ..	90	42	66.2	55.2	60.3	0.0	1540	+ 7	0	0	26	- 14	2.76	69	- 81	7.1	- 0.7	45	1020	
MEAN: DISTRICTS 1-10 ..	95	27	65.4	51.8	58.2	+0.2	1355	+18	0	0	41	- 2	6.68	170	- 20	5.4	- 0.5	34	1016	
THE YEAR. Aggregates, &c., for the Period of 34 Weeks, December 31st, 1922, to August 25th, 1923.																				
0. SCOTLAND, NORTH ..	80	24	51.7	41.4	46.3	+0.5	1347	- 82	317	-199	158	+ 2	32.15	816	+56	3.5	- 0.1	25	1009	
Eastern.																				
1. SCOTLAND, EAST ..	82	20	52.5	40.6	46.3	0.0	1437	-172	419	-165	145	+12	20.21	518	+38	3.5	- 0.7	26	1010	
2. ENGLAND, N.E. ..	91	25	54.6	42.8	48.4	+0.6	1824	- 11	294	-156	122	+ 2	14.92	382	- 5	4.1	- 0.5	31	1013	
3. ENGLAND, EAST ..	94	23	57.0	44.0	50.2	+1.3	2190	+76	234	-233	111	- 5	13.33	336	- 29	4.6	- 0.4	35	1014	
4. MIDLAND COUNTIES ..	95	22	56.6	43.0	49.5	+0.8	2070	- 6	280	-214	123	+ 8	18.22	463	+51	3.7	- 0.8	28	1014	
5. ENGLAND, S.E. ..	93	22	57.6	44.6	50.8	+0.8	2283	+35	183	-174	109	- 3	15.65	399	+ 7	4.8	- 0.4	36	1014	
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..	86	20	54.0	42.3	47.9	+0.1	1686	- 89	279	-111	149	+ 8	30.99	784	+85	—	—	—	1012	
7. ENGLAND, N.W. (and North Wales) ..	89	24	54.6	44.2	49.2	+0.6	1896	- 31	185	-175	138	+12	21.06	535	+ 8	3.9	- 0.7	29	1013	
8. ENGLAND, S.W. (and South Wales) ..	93	24	56.3	45.1	50.5	+0.8	2150	+25	133	-151	126	+ 1	22.67	575	+13	4.4	- 0.6	33	1014	
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.5	27	1012	
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11. CHANNEL ISLANDS (and Scilly) ..	90	32	57.5	48.1	52.6	+0.7	2529	+82	3	- 97	133	+ 4	19.04	483	+28	5.1	- 0.8	39	1016	
MEAN: DISTRICTS 1-10 ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.	

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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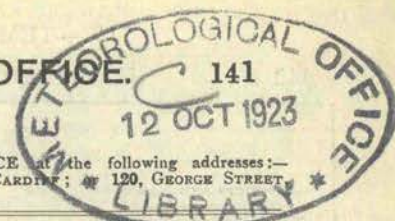
Forty-Sixth Year. } No. 35.
 Vol. XL. (New Series) }

THIRTY-FIFTH WEEK.

SUNDAY, AUGUST 26TH, TO SATURDAY, SEPTEMBER 1ST, 1923.

Price 9d. Net, Post free 9½d.

Annual Subscription
 (including Postage), 22 Os. 0d.



I.—GENERAL SUMMARY. [First published in 1878.]

Low pressure systems continued to pass across our Islands during the week and the weather for the most part was unsettled with very bright intervals. A depression which was situated to the south-west of Ireland on the morning of August 29th moved eastwards across England causing heavy rain and strong gales in a number of places. In many parts the rainfall measurements for the 24 hours ending at 9h. on August 30th exceeded 25mm. Among the largest amounts were 36mm. at Edinburgh, 33mm. at Cockle Park (Northumberland) 32mm. at Tynemouth, 31mm. at Marchmont (Berwick) 30mm. at Aspatria and West Witton, 29mm. at Douglas (Isle of Man) 28mm. at Buxton, Newton Rigg and West Linton (Peebles) 27mm. at Bradford and 26mm. at Stonyhurst. The total amount of rainfall for the week was in excess of the normal in most Districts. The mean temperature for the week was below the normal in all Districts. The highest temperatures occurred during the early part of the week and at a few places in the eastern and southern parts of England a maximum temperature round about 70°F. was recorded, the highest reading, 73°F., being registered in London on August 26th. The lowest of the screen minima, 31°F. occurred at Balmoral on August 29th, but ground frosts were recorded in several places. Amongst

the largest amounts of sunshine recorded were 12·5 hours at Cambridge and at Yarmouth, 12·6 hours in London (Greenwich) and at Rothamsted, 12·7 hours at Clacton and 13·4 hours at Tottenham on August 30th. The departure of the mean duration from the normal for the week ranged from +3·2 hours at Ballinacurra (Co. Cork) to -0·1 at Stornoway. Thunderstorms occurred in several parts of the country during the week and at a few stations hail was reported. A double rainbow was seen at Seskin (Carrick-on-Suir) on August 26th, in London and at South Farnborough on the 27th, at Foynes (Limerick) on the 30th, and at Southend on September 1st. Solar halos were observed at Oxford on August 27th, at Aberdeen on the 29th and at Greenwich on September 1st. Lunar halos were seen at Guernsey on August 26th and at Armagh on the 28th.

The mean temperature for the summer season (13 weeks from June 3rd) has been moderate in most parts of the British Isles. Rainfall was above the normal in Scotland and in Ireland N. and below normal in most other Districts, while sunshine was scanty in England N.W. and Ireland N. but in most other parts of the country it was moderate.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
				Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
				m.p.h		m/s	m.p.h		m/s	m.p.h		m/s	m.p.h		m/s	m.p.h		m/s	m.p.h		m/s	m.p.h		m/s	m.p.h		m/s
South	...	...	13	8	3·5	12	6	2·9	23	8	3·7	24	8	3·6	21	12	5·2	6	11	5·1	18	11	4·8	9	9	3·8	
North	...	...	12	6	2·5	11	5	2·4	1	3	1·5	0	—	—	7	10	4·5	19	11	5·1	4	11	4·9	17	9	3·8	
West	...	...	8	7	3·3	23	11	5·0	25	9	3·8	23	7	3·3	26	18	8·1	27	18	7·9	26	18	8·1	24	17	7·4	
East	...	...	12	6	2·9	2	6	2·7	2	4	1·9	1	11	4·9	2	15	6·7	1	14	6·2	1	24	10·8	3	8	3·7	
Calm (or wind- speed < 4 m.p.h.)			3	—	—	3	—	—	0	—	—	3	—	—	0	—	—	0	—	—	1	—	—	1	—	—	
No record			...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION					WESTERN SECTION					Extreme S.	Channel Islands (and Scilly).
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ..	Warmth	.. Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very Deficient	Very Deficient	Deficient
	Rainfall	.. Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine	.. Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	—	Abundant	Abundant	Abundant	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 13 weeks from June 3rd, 1923.	Warmth	3, 4, 6											
		3, 3, 7	4, 4, 5	5, 3, 5	5, 3, 5	5, 3, 5	3, 4, 6	4, 4, 5	4, 5, 4	5, 3, 5	6, 5, 2	4, 5, 4	4, 5, 4
		5, 5, 3	3, 5, 5	3, 5, 5	3, 6, 4	5, 1, 7	2, 4, 7	8, 3, 2	4, 3, 6	2, 3, 8	3, 6, 4	3, 3, 7	2, 3, 8
Sunshine	..	3, 6, 4	2, 6, 5	4, 6, 3	4, 6, 3	3, 4, 6	5, 4, 4	—	2, 3, 8	2, 8, 3	3, 5, 5	3, 4, 6	3, 4, 6
		3, 6, 4	2, 6, 5	4, 6, 3	4, 6, 3	3, 4, 6	5, 4, 4	—	2, 3, 8	2, 8, 3	3, 5, 5	3, 4, 6	3, 4, 6
		3, 6, 4	2, 6, 5	4, 6, 3	4, 6, 3	3, 4, 6	5, 4, 4	—	2, 3, 8	2, 8, 3	3, 5, 5	3, 4, 6	3, 4, 6

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.							
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	p	59	26, 28	46	26th	56.1	48.7	52.2	+1.0	4	0.26	7	-17	Lerwick	5.1	—	36	—	—	—	—	—	
Orkneys	Deerness	160	p	59	27th	45	29th	55.6	48.0	51.6	-0.4	7	1.01	26	+3	Deerness	3.5	-0.0	25	—	—	—	—	—	
Hebrides	Stornoway	51	p	60	26, 27	36	30th	56.6	48.7	49.8	-2.9	6	1.04	27	-5	Stornoway	3.7	-0.1	26	—	—	—	—	—	
	Castlebay	37	p	57	26, 27	46	30th	55.7	49.1	52.2	—	7	0.87	22	—	Castlebay	7.7	—	55	—	—	—	—	—	
Caithness	Wick	31	p	59	26, 27	40	31st	55.4	45.3	50.1	-2.5	5	0.70	18	-3										
Ross and Cromarty	Strathpeffer	125	p	63	26th	36	29th	58.4	44.1	50.8	-3.1	6	1.43	36	+17										
Inverness	Achnashellach	225	p	—	—	—	—	—	—	—	—	—	—	—	—	Achnashellach	—	—	0	38	—	—	—	—	—
	Inverness	242	p	60	26, 27	40	29th	58.5	45.6	50.8	—	6	0.83	21	—	Inverness	3.8	—	27	0	35	—	—	—	
	Port Augustus	68	p	59	31st	37	29th	57.0	44.9	50.6	-3.3	6	1.64	42	+15										
	Onich	48	p	60	26th	39	29th	57.9	47.0	52.1	—	6	1.00	41	—	Onich	2.8	—	19	0	31	—	—	—	
1. SCOTLAND, E.																									
Nairn	Nairn	82	p	64	27th	38	29th	57.7	44.9	50.9	-3.1	6	0.90	23	+5	Nairn	4.4	—	31	—	—	—	—	—	
Elgin	Gordon Castle	101	p	64	27th	36	1st	58.6	43.1	50.4	-3.9	6	2.22	56	+34	Gordon Castle	3.9	—	27	—	—	—	—	—	
Aberdeen	Aberdeen	46	p	63	26, 27	39	29th	58.3	45.4	51.5	—	5	1.85	47	+28	Aberdeen	5.4	+0.9	38	1	27	—	—	53.7	
	Balmoral	930	p	59	26th	31	29th	55.1	33.7	46.4	-4.8	7	1.17	30	+9	Balmoral	—	—	1	25	—	—	—	—	
Perth	Crieff	478	p	61	26th	38	29th	58.4	43.1	50.3	-4.7	6	0.95	24	-3	(Kinc.) Crathes	4.1	+0.1	29	1	27	52.4	—	52.1	
Forfar	Dundee	147	p	64	26, 28	40	29th	60.1	44.7	51.9	—	4	0.96	24	—	Dundee	4.8	—	34	0	38	56.3	—	—	
Fife	Inchkeith	190	p	61	26th	45	30th	58.1	48.0	52.8	—	5	1.15	29	—	Inchkeith	6.1	—	43	0	41	—	—	—	
Midlothian	Edinburgh	441	p	63	26th	43	29, 30, 31	58.3	46.0	51.8	-2.8	4	1.81	46	+28	Edinburgh	5.4	+1.0	38	0	38	—	—	—	
Peebles	West Linton	770	p	63	26th	—	—	58.1	—	—	—	6	1.76	45	—	West Linton	—	—	—	—	—	—	—	—	
Berwick	Marchmont	498	p	62	26, 28	38	29th	58.7	42.6	50.2	-3.7	7	1.70	43	+21	Marchmont	4.9	+0.6	35	—	—	—	—	—	
2a. SCOTLAND, W.																									
Argyle	Ford	149	p	61	26th	39	30th	58.0	44.6	50.9	—	6	1.72	44	—	Ford	—	—	1	30	56.7	—	—	57.2	
Renfrew	Renfrew	49	p	63	26th	37	29th	59.7	45.0	51.9	—	7	1.06	27	—	Renfrew	5.3	—	38	1	29	—	—	—	
Bute	Rothsay	200	p	62	26th	48	30th	57.7	46.1	51.6	-3.4	6	1.32	33	-1	Rothsay	5.4	—	39	0	36	55.6	—	55.1	
Ayr	Kilmarnock	90	p	65	26, 27	40	1st	61.3	46.0	53.2	-0.7	6	1.27	32	+5	Kilmarnock	4.4	—	32	—	—	55.1	—	-0.7	
	Colmonell	170	p	63	26th	43	29th	59.7	47.7	53.3	-1.0	6	2.22	56	+29	Colmonell	—	—	0	41	—	—	—	—	
Dumfries	Dumfries	140	p	62	26th	42	29th	58.0	46.4	51.9	-3.6	7	1.98	50	+26	Dumfries	4.5	—	32	0	33	55.9	-2.5	56.0	
	Eskdalemuir	794	p	59	28th	33	29th	56.1	41.6	48.4	—	7	2.03	52	—	Eskdalemuir	3.9	—	28	1	28	—	—	-2.2	
3. ISLE OF MAN.																									
I. of Man	Douglas	284	p	61	26th	45	29th	57.6	48.3	52.7	-2.6	5	1.59	40	+12	Douglas	6.1	+1.0	44	0	39	—	—	—	
4. ENGLAND, N.E.																									
North-berland	Cockle Park	324	p	64	26th	39	29th	58.7	43.7	50.8	-3.6	5	1.73	44	+26	Cockle Park	5.4	+0.7	39	0	35	52.1	-2.9	53.8	
	Tynemouth	118	p	66	26th	45	29, 30, 31	59.9	47.6	53.4	-2.8	6	1.61	41	+25	Tynemouth	—	—	0	37	—	—	—	-1.2	
Durham	Durham	336	p	64	26th	38	29th	59.0	44.9	51.5	-4.6	6	1.26	32	+17	Durham	5.8	+1.5	42	2	30	—	—	—	
York	Rounton	249	p	66	26th	42	29, 31, 1	60.7	44.1	51.9	-3.8	6	1.11	28	+12	Rounton	—	—	3	29	56.4	—	—	—	
N. Riding	West Witton	605	p	65	26th	42	29, 1	58.3	45.6	51.6	—	6	1.89	48	—	West Witton	—	—	0	34	54.2	—	—	54.4	
	Scarborough	118	p	68	26th	45	30, 31, 1	62.7	48.0	54.9	-2.7	5	1.48	38	+22	Scarborough	6.4	+1.5	46	—	—	58.1	—	—	
	York	56	p	68	26th	43	1st	61.4	47.9	54.3	-3.5	5	1.19	30	+16	York	6.1	+1.7	44	—	—	57.0	-1.9	57.1	
E. Riding	Spurn Head	26	p	69	26th	46	31, 1	61.3	49.3	54.9	-3.5	2	0.30	7	-5	Spurn Head	6.9	—	49	—	—	—	—	—	
Lincoln	Lincoln	58	p	69	26th	41	1st	62.1	47.4	54.3	-4.1	4	0.35	9	-5	Lincoln	—	—	0	40	56.3	-3.1	58.0		
	Cranwell	237	p	68	26th	42	1st	61.4	47.6	54.1	-4.3	3	0.45	11	-4	Cranwell	7.7	+2.3	56	0	34	—	—	-0.2	
	Skewness	—	p	—	—	—	—	—	—	—	—	—	—	—	—	Skewness	8.0	+2.4	58	—	—	—	—	—	
Norfolk	Cromer	196	p	70	26th	43	31st	63.9	47.4	55.2	-3.6	5	0.30	8	-5	Cromer	8.3	+2.7	60	—	—	—	—	—	
	Yarmouth	13	p	69	26th	45	31, 1	63.9	49.1	56.1	-2.7	4	0.43	11	-5	Yarmouth	7.8	—	57	0	41	59.9	-1.5	59.9	
	Norwich	93	p	71	26th	43	31st	63.7	48.3	55.5	-3.2	4	0.38	10	-6	Norwich	8.1	—	59	0	38	58.9	—	—	
	Geldeston	27	p	71	26th	44	31st	64.2	48.6	55.9	-2.7	5	0.41	10	-5	Geldeston	7.0	+1.3	51	—	—	—	—	—	
Cambridge	Cambridge	41	p	71	26th	38	1st	64.9	46.9	55.4	-3.6	3	0.48	12	-2	Cambridge	8.3	+2.7	60	1	30	58.7	-2.2	59.5	
Hertford	Rothamsted	420	p	69	26th	39	1st	61.6	46.4	53.5	-4.3	5	0.95	24	+8	Rothamsted	7.7	+2.1	56	0	31	56.2	—	—	
Middlesex	Tottenham	51	p	70	26th	44	1st	64.6	50.1	56.9	—	3	0.47	12	—	Tottenham	7.6	—	55	—	—	—	—	—	
Essex	Clacton-on-Sea	54	p	67	27th	46	1st	63.7	51.6	57.3	-2.2	4	0.43	43	-1	Clacton-on-Sea	7.5	+1.1	55	0	42	58.6	-2.0	59.8	
	Southend	90	p	69	27th	45	1st	65.4	49.9	57.2	—	5	0.46	12	—	Southend	7.7	—	56	0	44	60.3	—	—	
5. MIDLAND COUNTIES.																									
York	Harrogate	479	p	65	26th	42	1st	59.0	46.0	52.1	-3.7	7	1.67	42	+23	Harrogate	7.3	+2.6	53	0	36	54.8	-1.5	55.1	
W. Riding	Sheffield	429	p	64	26th	43	29th	57.3	46.1	51.4	-2.9	7	2.31	59	+30	Sheffield	—	—	45	0	44	54.4	-2.7	55.5	
Derby	Buxton	987	p	64	26th	43	29th	57.3	46.1	51.4	-2.9	7	2.31	59	+30	Buxton	6.2	—	45	0	44	54.4	-2.7	55.5	
Nottingham	Worksop (HodsckP)	56	p	70	26th	41	29, 1	63.4	46.6	54.5	-2.9	5	0.83	21	+6	Worksop	6.2	+1.9	45	0	32	56.4	—	56.8	
	Nottingham	82	p	69	26th	41	1st	61.1	47.9	54.1	-3.6	5	0.54	14	-1	Nottingham	5.6	+0.8	40	0	36	55.7	-2.7	58.3	
Warwick	Birmingham (Edg.)	525	p	68	26th	43	31, 1	60.1	47.0	53.2	-4.4	5	0.78	20	+3	Birmingham	6.5	+2.4	47	0	39	52.9			

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week				Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.	mm.						Ground Fronts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.	*F.	*F.	*F.	*F.	*F.						Hr.	Hr.	%	*F.	*F.	*F.	*F.	*F.				
Cardigan	Aberystwyth ...	16	h	61	26th	49	1st	50.3	52.4	55.6	—	7	1.02	26	—	5.4	+0.2	39	—	—	—	—				
Pembroke	St. Ann's Hd. ...	149	t	62	26th	47	30th	58.3	52.3	55.1	- 2.8	4	1.18	30	+ 7	7.0	+1.6	51	—	—	—	—				
Radnor	Rhayader... ..	757	a	63	26th	42	1st	56.1	47.0	51.3	—	7	2.30	58	—	6.3	—	46	0	34	—	—				
Glamorgan	Cardiff	202	p	66	26th	43	1st	61.3	49.9	55.3	- 2.9	7	1.87	47	+19	Cardiff ..	7.7	—	56	0	36	57.5	- 2.9	58.5	-0.7	
8b. ENGLAND, S.W.																										
Somerset	Bath	66	h	70	26th	42	31st	62.6	49.9	55.9	- 2.0	7	1.27	32	+13	Bath	7.8	+2.3	57	—	—	59.7	—	60.5	—	
Dorset	Shaftesbury ...	722	a	70	26th	42	1st	61.3	46.7	53.6	- 4.0	6	1.19	30	+ 9	Shaftesbury ..	—	—	—	—	—	57.5	—	58.9	—	
Devon	Portland Bill ...	19	t	62	26, 28, 29	50	31st	61.1	55.0	57.9	- 1.8	4	0.72	18	+ 4	Weymouth ..	8.3	—	61	—	—	—	—	—	—	
	Arlington	613	a	64	26th	45	31, 1	60.0	48.4	53.9	- 2.9	7	1.67	42	+ 7	Callumpton ..	6.7	+1.5	49	0	34	59.6	—	—	—	
	Cullompton	202	a	71	26th	40	31st	64.1	47.1	55.1	- 3.0	7	1.46	37	+17	Plymouth ..	7.9	+2.2	58	0	39	59.8	- 2.0	60.2	—	
Cornwall	Plymouth... ..	116	p	69	26th	44	31, 1	63.4	50.1	56.4	- 2.9	6	1.04	26	+ 5	Newquay ..	7.9	+2.1	58	—	—	59.0	—	58.8	—	
	Newquay	190	h	66	26th	51	29th	60.9	53.4	56.9	- 2.1	5	0.58	15	- 6	Falmouth ..	7.6	+1.7	56	0	42	59.9	—	61.7	—	
Falmouth... ..	Falmouth... ..	167	h	66	26th	47	31, 1	63.0	51.0	56.6	- 2.2	5	1.09	28	+ 4											
9. IRELAND, N.																										
Donegal	Malin Head ...	71	t	61	26th	44	29th	56.7	48.7	52.5	- 3.1	7	1.58	40	+19	Malin Head ..	6.2	—	44	—	—	—	—	—	—	
Mayo	Blackod Point ...	10	t	61	26th	43	29, 30	57.4	45.7	51.2	- 5.2	6	1.45	29	0											
Sligo	Mallarany	120	a	61	26th	46	30, 1	59.0	48.9	53.7	—	5	1.37	33	—	Mallarany ..	6.4	—	46	—	—	—	—	—	—	
	Markree Castle ...	122	p	63	26th	40	29th	58.4	46.3	52.0	- 2.8	7	2.03	52	+26	Markree Castle	5.3	+1.6	38	0	35	57.0	- 2.5	56.9	-0.3	
Armagh	Armagh	204	p	64	26th	42	30th	58.7	46.3	51.9	- 3.4	6	1.02	26	+ 5	Armagh ..	4.9	+1.1	35	0	38	55.7	- 3.2	56.4	-1.1	
Down	Donaghadee ...	35	t	64	26th	44	29, 30	58.7	47.0	52.5	- 3.3	6	0.67	17	- 2	Trinity Coll. ..	—	—	—	0	41	56.5	- 3.0	57.5	-0.6	
10. IRELAND, S.																										
Dublin	Dublin City ...	54	p	64	26th	45	30th	58.7	48.1	53.1	- 4.6	7	1.25	32	+17	Phoenix Park	6.4	+1.9	46	0	37	—	—	—	—	
King's County	Birr Castle ...	175	t	63	26, 27	44	1st	59.1	47.1	52.7	- 3.4	6	0.82	21	+ 3	Dublin City ...	—	—	—	0	41	—	—	—	—	
Kilkenny	Kilkenny	195	a	66	26th	43	30th	59.6	45.7	52.2	- 4.4	6	1.13	29	+12	Birr Castle ..	—	—	—	0	37	—	—	—	—	
Waterford	Waterford	137	a	63	26th	44	1st	61.0	47.3	53.7	- 3.5	6	1.51	38	+18	Seskin	7.1	—	52	0	39	—	—	—	—	
Seskin	Seskin, Carrick-on-Suir	542	p	62	26th	43	30, 1	58.6	46.0	51.9	—	7	1.83	34	—											
Limerick	Foynes	50	a	62	26th	47	29, 30	59.4	48.9	53.8	- 3.3	6	1.10	28	+ 8	Cahiriveen (Val.O.)	7.2	+2.8	52	0	44	—	—	—	—	
Kerry	Cahiriveen (Val.O.)	30	t	61	26th	48	29, 31	58.0	51.1	54.3	- 3.4	6	1.13	29	+ 2	(Valencia O.)	—	—	—	—	—	—	—	—	—	
Cork	Killarney	174	a	65	26th	41	30th	62.6	48.1	54.9	- 2.7	6	2.30	58	+34	Ballinacurra	7.4	+3.2	54	—	—	—	—	—	—	
	Roche's Point ...	32	t	61	26, 28, 1	46	30th	60.0	49.0	54.2	- 3.6	5	1.28	32	+11											
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's ...	131	t	64	26th	50	28th	62.0	52.9	57.2	- 2.5	4	0.55	14	- 3	St. Mary's ..	8.2	+2.2	60	—	—	—	—	—	—	
Guernsey	Grange	173	p	65	29th	51	31, 1	62.9	53.7	58.0	- 3.3	6	0.87	22	+ 6	Grange	8.2	+1.5	60	0	45	61.5	- 1.5	63.8	+1.6	
Jersey	St. Aubins ...	25	t	67	29th	50	31, 1	63.3	54.6	58.7	- 2.9	6	1.15	29	+13	St. Heliers ..	6.9	+0.3	51	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 1st, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. 11								Extreme Velocities.									
	Above Mean Sea Level	Above Ground.	Above Building.	More than 35 m.p.h.		25 to 35 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.		o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	+	—	0	26	5	73	60	30	0	150	30	13	26	4	40	18	26	4	5
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	—	0	48	100	20	0	140	23	11	25	19	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	—	0	36	109	23	0	80	17	7	29 22	28	12	28	16	15	
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	84	70	14	0	300	22	10	30 2	36	16	26	13	5	
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	27	123	18	0	300	17	8	28 15	38	17	26	14	15	
Dumfries Eskdalemuir ...	825	50	22	—	0	26, 30	8	82	46	31	1	230	29	13	26 13	45	20	26	12	30	
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	30	8	59	80	21	0	280	31	14	30 4	49	22	30	3	15	
York, E.R. Spurn Head ...	67	41	+	29, 30	15	28, 29, 30	17	103	33	0	0	280	51	23	30 3	67	30	30	3	40	
Lincoln Cranwell ...	280	43	31	—	0	29, 30	12	88	(65)	(3)	0	270	30	13	29 24	40	18	29	23	40	
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	+	29	3	29, 30	14	47	97	7	0	150	40	18	29 18	54	24	29	17	30	
Essex Shoeburyness...	103	90	+	—	0	26, 29	11	69	67	0	21	230	38	17	29 20	59	26	30	0	40	
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	45	22	—	0	—	0	41	96	31	0	250	21	9	29 23	42	19	29	23	0	
Kent Lympne ...	409	70	+	—	0	26 to 30	22	70	72	3	1	240	35	16	29 21	56	25	29	19	5	
Surrey Croydon ...	284	40	24	—	0	—	0	66	99	3	0	240	24	11	29 23	45	20	30	10	45	
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	29, 30	4	61	88	8	7	270	20	13	29 23	51	23	29	22	50	
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	28, 29, 30	32	117	19	0	0	280	37	17	29 23	60	27	29	22	25	
Wiltshire Larkhill, S'y Plain ...	513	63	43	29	2	26 to 30	38	106	(22)	(0)	0	290	41	18	29 22	52	23	29	21	50	
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	29, 30	13	27, 28, 30, 1	35	103	16	1	0	300	57	26	29 22	—	—	—	—	—	
Lancashire Southport ...	80	62	48	28, 29, 30	17	26, 27, 28, 30	70	67	12	2	0	310	51	23	29 22	63	28	29	21	35	
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	29	7	26 to 30, 1	41	107	13	0	0	310	48	21	29 19	65	29	29	18	5	
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	29	4	27, 29	11	86	55	12	0	—	48	19	29 11	55	25	29	18	5	
Cornwall Penderennis Castle...	256	65	24	29	7	26, 27, 29	22	70	68	0	1	—	45	20	29 13	59	26	29	12	40	
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	27 to 31	48	102	16	2	0	260	36	16	30 2	—	—	—	—	—	
Ciarc Quilly ...	100	40	+	—	0	26 to 30	75	79	14	0	0	—	32	14	29 16	47	21	27	4	40	
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	27, 29	20	97	45	6	0	20	37	17	29 9	57	25	29	8	45	
Cork Weaver Pt. ...	160	30	+	29	2	29	6	70	86	4	0	—	42	19	29 14	64	29	29	14	25	
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	29	6	26 to 30	56	100	4	0	2	320	54	24	29 17	68	30	29	18	10	

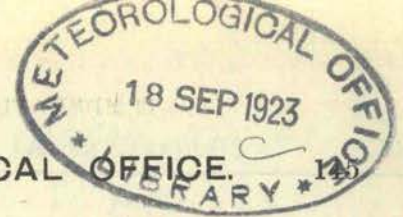
†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable. ‡ Standard mounting.
‡ Direction from the Robinson Anemometer at Falmouth Observatory. ** For Decree the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIFTH WEEK of 1923—August 26th to September 1st, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.								Rainfall.				Sunshine.			Mean Pressure at M.S.L.			
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean		Devia- tion from Normal	Percentage of Possible Duration	
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal									Below 42°
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		63	36	56.9	45.6	50.9	- 2.1	62	- 17	0	0	5	0	1.11	28	- 4	3.7	+0.3	26	1001
Eastern.																				
1. SCOTLAND, EAST ..		64	31	57.8	43.7	50.4	- 3.6	59	- 28	0	0	6	+ 1	1.46	37	+16	4.8	+0.5	34	1001
2. ENGLAND, N.E. ..		69	38	60.8	46.7	53.3	- 3.6	79	- 25	0	0	5	+ 1	1.05	27	+12	6.6	+1.7	47	1004
3. ENGLAND, EAST ..		71	38	63.8	48.5	55.7	- 2.9	96	- 20	0	0	4	0	0.48	12	- 2	7.7	+2.1	56	1008
4. MIDLAND COUNTIES		71	39	61.7	47.2	54.0	- 3.4	84	- 24	0	0	6	+ 2	1.26	32	+15	6.7	+1.8	49	1007
5. ENGLAND, S.E. ..		72	36	63.5	49.2	55.9	+ 3.7	97	- 26	0	0	5	+ 1	0.88	22	+ 5	7.4	+1.5	55	1009
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		65	37	58.9	46.3	52.2	- 2.7	71	- 21	0	0	6	+ 2	1.59	40	+ 9	—	—	—	1001
7. ENGLAND, N.W. (and North Wales)		67	39	58.9	48.6	53.5	- 3.3	81	- 23	0	0	7	+ 3	1.64	42	+19	5.3	+0.8	38	1005
8. ENGLAND, S.W. (and South Wales)		71	40	61.1	49.7	55.1	- 3.0	92	- 21	0	0	6	+ 2	1.38	35	+11	7.1	+1.7	52	1009
9. IRELAND, NORTH ..		64	40	58.1	46.9	52.2	- 3.3	71	- 24	0	0	6	+ 1	1.21	31	+ 8	5.1	+1.3	37	1004
10. IRELAND, SOUTH ..		66	41	59.8	48.2	53.6	- 3.6	81	- 25	0	0	6	+ 2	1.31	33	+13	7.0	+2.7	51	1008
11. CHANNEL ISLANDS (and Scilly)		67	50	62.7	53.7	58.0	- 2.7	112	- 19	0	0	5	+ 1	0.86	22	+ 6	7.7	+1.3	57	1012
MEAN: DISTRICTS 1-10		72	31	60.4	47.5	53.6	- 3.3	81	- 24	0	0	6	+ 1	1.23	31	+11	6.4	+1.6	47	1006
THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, June 3rd to September 1st, 1923.																				
0. SCOTLAND, NORTH ..		80	32	59.1	48.5	53.4	- 0.6	1042	- 56	0	- 1	64	+ 7	12.62	319	+57	3.8	- 0.5	23	1010
Eastern.																				
1. SCOTLAND, EAST ..		82	27	62.0	47.9	54.5	- 0.9	1139	- 84	0	- 1	56	+ 6	8.56	220	+12	4.7	- 0.5	28	1011
2. ENGLAND, N.E. ..		91	36	65.2	51.0	57.6	+0.1	1419	+15	0	0	44	0	6.20	159	- 21	5.7	0.0	35	1014
3. ENGLAND, EAST ..		94	31	68.6	52.4	59.9	+0.6	1631	+55	0	0	33	- 9	5.35	136	- 27	6.9	+0.4	44	1016
4. MIDLAND COUNTIES		95	34	67.6	51.5	59.0	+0.3	1548	+34	0	0	40	- 2	6.60	168	- 13	5.4	- 0.4	34	1016
5. ENGLAND, S.E. ..		93	30	68.6	52.8	60.2	+0.1	1652	+10	0	0	27	- 13	3.87	99	- 61	7.2	+0.4	46	1017
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	31	62.0	49.9	55.6	- 0.7	1238	- 74	0	0	61	+10	14.16	358	+85	—	—	—	1013
7. ENGLAND, N.W. (and North Wales)		89	33	63.3	52.3	57.5	- 0.3	1407	- 30	0	0	52	+ 5	9.17	233	+ 2	4.8	- 1.0	30	1015
8. ENGLAND, S.W. (and South Wales)		93	36	65.7	52.9	58.9	+0.2	1542	+20	0	0	36	- 10	6.02	152	- 70	5.8	- 0.6	37	1017
9. IRELAND, NORTH ..		82	39	62.2	50.8	56.1	- 0.4	1284	- 35	0	0	64	+ 6	10.08	257	+11	3.8	- 1.0	24	1014
10. IRELAND, SOUTH ..		86	41	64.7	53.0	58.4	+0.3	1498	+31	0	0	51	+ 1	9.09	232	- 9	4.8	- 0.5	30	1017
11. CHANNEL ISLANDS (and Scilly)		90	42	65.9	55.1	60.1	- 0.2	1652	- 12	0	0	31	- 13	3.62	91	- 75	7.1	- 0.6	46	1019
MEAN: DISTRICTS 1-10..		95	27	65.0	51.5	57.8	- 0.1	1436	- 6	0	0	46	- 1	7.91	201	- 9	5.5	- 0.4	34	1015
THE YEAR. Aggregates, &c., for the Period of 35 Weeks, December 31st, 1922, to September 1st, 1923.																				
0. SCOTLAND, NORTH ..		80	24	51.8	41.5	46.5	+0.5	1409	- 99	317	-199	163	+ 2	33.26	844	+52	3.5	- 0.1	25	1009
Eastern.																				
1. SCOTLAND, EAST ..		82	20	52.7	40.7	46.4	- 0.1	1496	-200	419	-165	151	+13	21.67	555	+54	3.6	- 0.7	26	1010
2. ENGLAND, N.E. ..		91	25	54.8	42.9	48.6	+0.5	1903	- 36	294	-156	127	+ 3	15.97	409	+ 7	4.2	- 0.4	31	1013
3. ENGLAND, EAST ..		94	23	57.2	44.1	50.4	+1.2	2286	+56	234	-233	115	- 5	13.81	348	- 31	4.7	- 0.3	35	1014
4. MIDLAND COUNTIES		95	22	56.8	43.1	49.6	+0.7	2154	- 30	280	-214	129	+10	19.48	495	+66	3.8	- 0.7	29	1014
5. ENGLAND, S.E. ..		93	22	57.8	44.7	51.0	+0.8	2380	+ 9	183	-174	114	- 2	16.53	421	+12	4.9	- 0.3	37	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.1	42.4	48.0	0.0	1757	-110	279	-111	155	+10	32.58	824	+94	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		89	24	54.7	44.3	49.3	+0.5	1977	- 54	185	-175	145	+15	22.70	577	+27	4.0	- 0.6	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	56.5	45.2	50.6	+0.6	2242	+ 4	133	-151	132	+ 3	24.05	610	+24	4.4	- 0.6	33	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 0.3	27	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly)		90	32	57.6	48.3	52.8	+0.7	2641	+63	3	- 97	138	+ 5	19.90	505	+34	5.2	- 0.7	39	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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FORTY-SIXTH YEAR. } No. 36.
Vol. XL. (New Series)

THIRTY-SIXTH WEEK.

SUNDAY, SEPTEMBER 2ND, TO SATURDAY, SEPTEMBER 8TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week several rather heavy falls of rain were recorded in various places, but over the country as a whole the weather was fairer and drier than of late. Among the largest measurements of rainfall were 21mm. at Ford (Argyll) and at Holyhead, 20mm. at Douglas (Isle of Man), 19mm. at Southport and at Arlington (Devon) and 18mm. at Crathes (Kincardine) and at Mallarany (Mayo) on the 3rd, 20mm. at Achnashellach (Ross-shire) and 18 mm. at Onich (Inverness) on the 4th, and 33mm. at Stornoway and 15mm. at Lerwick on the 8th. The total amount of rainfall for the week was less than the normal in all Districts with the exception of Scotland N. and Scotland W. where it was in excess. In some parts of Scotland the highest temperatures of the week did not reach 60°F., but at several stations in other parts of our Islands a maximum temperature of about 70°F. was recorded: the highest reading, 74°F., occurring at South Farnborough on the 6th and at Oxford on the 7th. Screen minima below 32°F. were recorded in parts of Scotland and also at Rhayader (Radnor) on the morning of

the 3rd, while frost on the grass occurred in several places, in fact, at Rhayader a reading as low as 18°F. was registered. The mean temperature for the week was below the normal in all parts of the country, but in several places the mean daily range was large, being between 20° and 25°F. Many places registered between 11 and 12 hours sunshine on various days during the week. Among the largest amounts were 12·4 hours at Rothersey (Bute) 12·3 hours at Renfrew and Rhyl on the 2nd, 12·0 hours at Guernsey on the 3rd, 12·2 hours at Scarborough, and 12·0 hours at Ross-on-Wye and Margate on the 6th, 12·2 hours at Inchkeith on the 7th and 12·1 hours at Worthing and 12·0 hours at Rhayader on the 8th. The total amount of sunshine for the week was above the normal in nearly all parts of the country. A triple rainbow was seen at Ross-on-Wye on the 2nd. Solar halos were observed at Armagh on the 3rd and 4th, at Oxford and at Stonyhurst on the 3rd, 4th and 8th, and at Ross-on-Wye on the 3rd and 8th. The halos observed on the 3rd and 4th at Oxford were accompanied by a parhelion.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South ...	8	12	5·3	13	7	3·1	14	4	1·8	12	3	1·5	17	11	5·1	9	5	2·3	17	7	3·0	18	8	3·5
North ...	13	9	3·9	7	7	3·0	5	2	1·0	4	3	1·3	9	7	3·2	15	7	3·1	6	7	3·0	6	8	3·7
West ...	23	10	4·5	28	13	5·9	19	5	2·2	17	5	2·2	24	10	4·3	19	9	4·2	24	12	5·3	17	8	3·6
East ...	1	2	1·1	0	—	—	1	3	1·3	1	2	0·9	1	1	0·3	5	6	2·5	1	6	2·6	6	2	1·1
Calm (or wind- speed < 4 m.p.h.)	3	—	—	0	—	—	8	—	—	10	—	—	1	—	—	1	—	—	1	—	—	4	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	11. Channel Islands (and Scilly).
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland N.	Scotland E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient
	Rainfall ..	Heavy	Moderate	Moderate	Light	Light	Light	Moderate	Moderate	Light	Moderate	Moderate	Moderate
	Sunshine ..	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	—	Very Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 1 week from Sept. 2nd, 1923.	Warmth ..	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1
		1, 0, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0
		0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	—	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.
 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

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DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	61	6th	40	3rd	55.9	46.7	51.1	-0.3	5	1.22	31	+13	Lerwick	4.1	—	30	—	—	—	—	—		
Orkneys	Deerness	160	63	7th	43	8th	56.1	46.4	51.0	-1.2	7	1.18	30	+13	Deerness	4.2	+0.2	31	—	—	—	—	—		
Hebrides	Stornoway	51	59	6, 7	34	3rd	57.1	44.6	50.6	-2.2	5	1.63	41	+18	Stornoway	3.3	-1.1	24	—	—	—	—	—		
	Castlebay	37	57	6, 7	41	3rd	55.9	49.0	52.3	—	5	0.42	11	—	Castlebay	3.8	—	28	—	—	—	—	—		
Caithness	Wick	81	62	6th	39	3rd	56.1	45.9	50.8	-1.0	7	0.92	23	+8											
Ross and Cromarty	Strathpeffer	125	65	7th	34	3rd	59.3	44.9	51.8	-2.0	6	0.46	12	+1											
	Achnashellach	225	58	6th	34	3rd	56.6	44.3	50.2	—	5	1.74	44	—	Achnashellach	—	—	3	24	—	—	—	—		
Inverness	Inverness	242	62	6th	37	3rd	58.0	45.3	51.4	—	4	0.28	7	—	Inverness	4.4	—	33	0	33	—	—	—		
	Fort Augustus	68	60	5, 7	34	3rd	58.3	43.4	50.5	-3.3	5	1.08	27	+7											
	Onich	48	60	7, 8	37	3rd	57.7	45.3	51.2	—	6	1.93	49	—	Onich	3.1	—	23	1	29	—	—	—		
1. SCOTLAND, E.																									
Nairn	Nairn	82	65	6th	33	3rd	59.1	44.7	51.6	-2.1	7	0.46	12	+2	Nairn	4.3	—	31	—	—	—	—	—		
Elgin	Gordon Castle	101	70	6th	37	3rd	60.7	45.4	52.7	-1.4	5	0.52	13	+1	Elgin	5.1	—	37	—	—	—	—	—		
Aberdeen	Aberdeen	46	70	6th	37	3rd	61.1	47.0	53.7	—	3	0.64	16	+6	Aberdeen	6.4	+1.6	47	1	30	—	—	—		
	Balmoral	930	66	6th	28	3rd	58.4	40.9	49.2	-1.7	2	0.29	7	-4	Balmoral	—	—	2	24	—	—	53.1	-0.5		
Perth	Crieff	478	62	6th	35	3rd	59.1	43.4	50.9	-3.7	2	0.27	7	-7	(Kinc.) Crathes	5.8	+1.4	43	1	26	52.0	—	—		
Forfar	Dundee	147	67	5th	40	3rd	62.9	46.9	54.5	—	2	0.19	5	—	Dundee	5.3	—	39	0	36	55.7	—	—		
Fife	Inchkeith	190	60	2, 6	43	3rd	58.7	49.0	53.6	—	1	0.04	1	—	Inchkeith	6.1	—	45	0	40	—	—	—		
Midlothian	Edinburgh	441	64	6th	41	3rd	60.4	46.6	53.2	-1.2	2	0.11	3	-6	Edinburgh	6.0	+1.3	45	0	37	—	—	—		
Peebles	West Linton	770	61	6th	27	3rd	58.4	42.0	49.8	-1.3	6	0.68	17	—	West Linton	—	—	1	25	—	—	—	—		
Berwick	Marchmont	498	62	6th	32	3rd	59.4	44.6	51.6	-2.0	3	0.23	6	-5	Marchmont	6.2	+1.5	46	—	—	—	—	—		
2a. SCOTLAND, W.																									
Argyle	Ford	149	59	4, 6, 7	32	3rd	57.7	42.7	49.8	—	5	2.34	59	—	Ford	—	—	1	30	55.7	—	56.1	—		
Renfrew	Renfrew	49	62	6th	30	3rd	59.7	43.4	51.2	—	4	0.70	18	—	Renfrew	—	—	32	3	24	—	—	—		
Bute	Rothsay	206	62	6th	40	3rd	58.9	45.4	51.8	-3.1	4	1.12	28	+4	Rothsay	4.2	—	34	0	34	55.1	—	—		
Ayr	Kilmarnock	90	67	6th	36	3rd	62.1	45.4	53.4	-0.4	5	1.07	27	+9	Kilmarnock	4.5	—	38	—	—	54.5	—	—		
	Colmonell	170	63	6th	35	3rd	60.6	47.0	53.5	-0.9	3	0.81	21	+1	Colmonell	5.0	—	0	31	—	—	54.6	—		
Dumfries	Dumfries	140	61	7th	35	3rd	59.6	44.9	51.9	-3.4	2	0.54	14	-2	Dumfries	5.2	—	39	2	28	54.9	-2.3	55.0		
	Eskdalemuir	794	59	2, 4, 7	27	3rd	57.1	41.7	49.0	—	5	1.00	25	—	Eskdalemuir	3.2	—	24	2	22	—	—	-2.6		
2b. ISLE OF MAN.																									
I. of Man	Douglas	284	63	5th	42	8th	59.0	48.1	53.3	-2.0	2	0.83	21	+2	Douglas	7.3	+1.5	54	0	37	—	—	—	—	
3. ENGLAND, N.E.																									
Northumb.	Cockle Park	324	62	6th	37	3rd	60.0	44.4	51.8	-1.6	3	0.31	8	-5	Cockle Park	5.7	+0.9	43	0	33	52.0	-1.7	52.9	-1.4	
Derbyshire	Tynemouth	118	68	6th	41	3rd	61.1	49.4	55.0	-0.2	4	0.30	7	-4	Tynemouth	—	—	0	39	—	—	—	—		
Durham	Durham	336	67	6, 7	34	3rd	62.0	45.0	53.1	-2.0	3	0.24	6	-5	Durham	6.8	+2.4	51	2	27	—	—	—		
York	Rounton	249	67	6th	38	3rd	62.0	45.7	53.5	-1.1	4	0.24	9	-2	Rounton	—	—	2	26	—	55.4	—	—		
N. Riding	West Witton	605	62	7th	36	3rd	60.6	45.9	52.9	—	3	0.24	6	—	West Witton	—	—	1	30	53.2	—	53.4	—		
	Scarborough	118	69	6th	45	3rd	64.1	49.4	56.4	-0.4	2	0.23	6	-5	Scarborough	7.4	+2.4	55	—	—	56.7	—	—		
	York	56	66	7th	40	3rd	62.7	48.0	55.0	-1.7	4	0.34	9	-1	York	6.5	+2.1	49	—	—	56.1	-1.1	—		
E. Riding	Spurn Head	26	64	6, 8	48	3rd	61.0	50.6	55.6	-2.0	3	0.21	5	-4	Spurn Head	6.3	—	47	—	—	—	—	—		
Lincoln	Lincoln	58	70	6th	39	3rd	64.9	46.3	55.2	-2.1	2	0.24	6	-4	Lincoln	—	—	0	38	55.3	-2.9	56.8	-0.9		
	Cranwell	237	69	6th	38	3rd	63.9	46.0	54.5	-2.8	3	0.20	5	-5	Cranwell	7.5	+2.1	56	1	30	—	—	—		
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	6.5	+0.8	49	—	—	—	—	—		
Norfolk	Cromer	196	68	7th	42	2nd	62.4	47.7	54.7	-3.5	3	0.10	3	-8	Cromer	5.6	+0.4	42	—	—	—	—	—		
	Yarmouth	13	67	6, 7	44	3rd	63.1	47.1	54.7	-3.4	3	0.26	7	-6	Yarmouth	5.2	—	39	0	41	57.7	-2.7	58.4	-1.4	
	Norwich	93	68	6th	42	8th	63.7	46.3	54.6	-3.3	3	0.19	5	-7	Norwich	5.9	—	45	0	37	56.0	—	—		
	Gedeston	37	69	6, 7	41	7th	64.4	44.9	54.2	-3.7	3	0.16	4	-8	Gedeston	4.9	-0.4	37	—	—	—	—	—		
Cambridge	Cambridge	41	69	6th	36	3rd	66.3	42.1	53.6	-4.4	1	0.07	2	-9	Cambridge	7.1	+1.9	53	1	30	56.7	-3.1	58.3	-1.1	
Hertford	Rothamsted	420	69	6, 7	40	3rd	64.3	44.4	53.9	-3.0	2	0.10	3	-10	Rothamsted	7.6	+2.4	57	1	30	54.2	—	—		
Middlesex	Tottenham	51	71	7th	41	1st	65.4	46.1	55.3	—	2	0.14	4	—	Tottenham	6.2	—	47	—	—	—	—	—		
Essex	Clacton-on-Sea	54	69	6, 7	46	2, 3, 8	64.1	47.9	55.6	-3.1	1	0.09	2	-9	Clacton-on-Sea	7.3	+1.4	55	0	39	57.4	-2.4	58.6	-1.1	
	Southend	90	71	6th	44	2nd	66.7	46.3	56.0	—	2	0.09	2	—	Southend	6.9	—	52	0	43	58.6	—	—		
4. MIDLAND COUNTIES.																									
York	Harrogate	479	63	7th	40	3rd	60.4	46.9	53.3	-1.8	3	0.35	9	-4	Harrogate	7.2	+2.6	54	0	36	54.0	-1.4	54.4	-1.1	
W. Riding	Sheffield	429	65	6th	36	3rd	59.0	45.1	51.7	-1.8	4	0.69	17	-4	Sheffield	—	—	48	0	36	52.7	-3.2	54.3	-1.2	
Derby	Buxton	987	65	6th	36	3rd	59.0	45.1	51.7	-1.8	4	0.69	17	-4	Buxton	6.5	—	—	—	—	—	—	—		
Nottingham	Worksop (Hods'ckP)	56	72	6th	35	3rd	66.9	45.6	55.7	-0.8	1	0.20	5	-5	Worksop	6.2	+2.0	46	1	28	55.6	—	55.5	—	
	Nottingham	82	68	6, 7	38	3rd	64.1	46.6	54.9	-2.0	2	0.24	6	-5	Nottingham	6.8	+2.2	51	0	32	54.6	-2.7	56.8	-1.4	
Warwick	Birmingham (Edg.)	525	69	6th	41	3rd	64.0	47.0	55.1	-1.7	2	0.13	3	-9	Birmingham	6.4	+2.4	48	1	27	52.3	-2.3	53.0	-0.8	
Northampton	Raunds	213	71	6th	36	3rd	66.3	44.0	54.6	-3.3	2	0.13	3	-8	Raunds	7.7	—	58	0	31	57.4	—	—		
Oxford	Oxford	208	74	7th	41	3rd	66.7	46.3	56.0	-1.8	1	0.10	3	-8	Oxford	7.4	+2.2	56	0	32	—				

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature							
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.			in.	mm.	mm.		Hr.	Hr.	%		*F.	*F.	*F.	*F.	*F.	
Cardigan	Aberystwyth ...	16	h	61	3, 6, 8	40	3rd	59.9	51.3	55.4	—	2	0.51	13	—		Aberystwyth	8.0	+2.7	60	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	62	7th	47	3rd	59.3	51.9	55.4	-2.2	2	0.37	9	-7		St. Ann's Hd.	7.8	+2.5	59	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	64	8th	29	3rd	60.6	42.6	51.2	—	4	0.25	6	—		Rhayader ..	8.0	—	60	2	18	—	—	—	
Glamorgan	Cardiff	202	p	67	7, 8	41	3rd	63.6	47.9	55.4	-2.7	1	0.28	7	-12		Cardiff ..	8.7	—	66	0	32	56.7	-2.6	57.5	-1.2
8b. ENGLAND, S.W.																										
Somerset	Bath	66	h	70	7th	37	3rd	65.9	46.7	55.8	-1.9	1	0.08	2	-11		Bath ..	7.5	+2.1	56	—	—	58.3	—	59.3	—
Dorset	Shaftesbury ...	722	a	66	6, 7, 8	42	3rd	63.9	46.3	54.7	-2.3	1	0.27	7	-7		Shaftesbury ..	—	—	—	—	—	—	—	58.1	—
	Portland Bill ...	19	t	66	6th	47	3rd	63.6	53.1	58.1	-1.2	2	0.12	3	8		Weymouth ..	7.9	—	60	—	—	—	—	—	—
Devon	Arlington	613	a	65	8th	40	3, 8	61.7	47.3	54.2	-2.1	4	0.88	22	-2		Cullompton ..	7.4	+2.3	56	1	29	58.4	—	—	—
	Cullompton	202	a	70	6th	4	3rd	67.0	45.6	55.8	-1.5	1	0.26	7	-7		Plymouth ..	6.9	+1.2	52	0	34	58.2	-2.5	59.1	—
	Plymouth... ..	116	p	68	6th	41	3rd	65.1	48.7	56.5	-2.2	2	0.35	9	-6											
Cornwall	Newquay	190	h	62	8th	40	3rd	59.9	50.9	55.2	-3.4	1	0.30	7	-8		Newquay ..	6.0	+0.3	45	—	—	58.2	—	58.0	—
	Falmouth	167	h	68	7th	43	3rd	64.0	49.6	56.5	-1.8	2	0.30	8	-9		Falmouth ..	8.1	+2.3	62	0	37	60.4	—	61.1	—
9. IRELAND, N.																										
Donegal	Malin Head	71	t	63	6th	43	3rd	58.0	48.6	53.1	-2.3	4	0.56	14	-2		Malin Head ..	4.6	—	34	—	—	—	—	—	—
Mayo	Blackrod Point ...	10	t	68	3rd	41	8th	62.4	47.6	54.6	-1.6	4	0.74	19	-3											
	Mallarany	120	a	61	2nd	45	2, 4, 8	58.7	48.9	53.6	—	4	1.54	39	—		Mallarany ..	3.2	—	24	—	—	—	—	—	—
Sligo	Markree Castle ...	122	p	65	5, 6	37	8th	61.9	44.6	52.8	-1.6	4	0.79	20	0		Markree Castle	4.8	+0.6	36	0	33	57.0	-1.7	56.1	-0.9
Armagh	Armagh	204	p	64	5, 6	40	2nd	61.4	45.7	53.2	-1.7	3	0.35	9	-6		Armagh ..	4.8	+0.3	36	0	33	55.1	-2.8	55.3	-1.7
Down	Donaghadee	35	t	66	6th	42	8th	61.6	47.9	54.4	-1.1	3	0.42	11	-3											
10. IRELAND, S.																										
Dublin	Dublin City	54	p	69	6th	44	3, 8	63.4	49.0	55.9	-1.2	2	0.28	7	-5		Trinity Coll.	—	—	—	0	36	56.7	-1.9	56.1	-1.6
King's County	Birr Castle	175	t	68	6th	40	3, 8	62.7	47.0	54.5	-1.0	2	0.40	10	-4		Phoenix Park	6.0	+1.8	52	0	34	—	—	—	—
Kilkenny	Kilkenny	195	a	69	6th	36	8th	64.0	46.4	54.8	-1.2	2	0.46	12	-2		Dublin City ..	—	—	—	0	39	—	—	—	—
Waterford	Waterford	137	a	63	5th	42	8th	63.3	46.6	54.6	-2.0	2	0.26	7	-9		Birr Castle ..	5.5	+1.0	41	0	31	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	68	6th	43	2nd	63.7	46.4	54.6	—	2	0.33	8	—		Seskin ..	7.5	—	56	0	34	—	—	—	—
Limerick	Foynes	50	a	71	6th	42	8th	63.9	49.0	56.1	-0.5	2	0.44	11	-2											
Kerry	Cahiriveen (Val.O.)	30	t	61	6th	43	8th	59.3	50.4	54.6	-2.8	3	0.74	19	-4		Cahiriveen	5.1	+0.2	39	0	39	—	—	—	—
	Killarney	174	a	67	8th	41	8th	63.1	48.2	55.3	-1.9	2	0.64	16	-4		(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point ...	32	t	66	5th	45	2, 6	61.3	49.1	54.9	-2.6	1	0.26	7	-10		Ballinacurra	6.4	+1.5	48	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	131	t	65	8th	48	3rd	62.7	52.9	57.6	-2.0	2	0.30	8	-6		St. Mary's ..	6.7	+0.9	51	—	—	—	—	—	—
Guernsey	Grange	173	p	65	7, 8	46	3rd	63.0	52.3	57.4	-3.8	3	0.11	3	-11		Grange ..	7.4	+1.0	56	0	41	59.9	-2.4	61.9	0.0
Jersey	St. Aubins	25	t	71	8th	45	3rd	64.1	51.3	57.4	-3.9	1	0.12	3	-11		St. Heliers ..	5.9	-0.5	44	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 8th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.											
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.								
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Shetlands	Lerwick	...	310	42	+	6, 8	5	6, 7, 8	29	60	53	20	1	250	42	19	8	22	59	26	8	21	30
Orkneys	**Deerness (Cup Anr.)	...	188	16	5	—	0	—	0	100	53	15	0	280	23	11	5	17	—	—	—	—	—
1. SCOTLAND, E.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Aberdeen	Aberdeen	...	72	42	+	—	0	—	0	53	113	2	0	290	19	9	7	10	34	15	7	8	50
Edinburgh	Edinburgh	...	485	39	31	—	0	3, 5	10	109	49	0	0	280	30	13	5	11	43	19	5	10	30
6a. SCOTLAND, W.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Renfrew	Paisley	...	188	81	15	—	0	—	0	55	97	16	0	280	20	9	5	12	48	21	5	11	45
Dumfries	Eskdalemuir	...	825	50	22	—	0	—	0	96	43	18	11	250	24	11	5	9	40	18	5	14	55
2. ENGLAND, N.E.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Durham	South Shields...	...	72	61	12	—	0	—	0	36	113	19	0	240	24	11	5	13	43	19	5	12	10
York, E.R.	Spurn Head	...	67	41	+	—	0	5	2	81	(76)	(9)	0	280	26	12	5	15	36	16	5	15	15
Lincoln	Cranwell	...	280	43	31	—	0	—	0	42	(100)	(26)	0	280	18	8	5	14	23	10	5	14	30
3. ENGLAND, E.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Norfolk	Gorleston	...	52	42	+	—	0	—	0	7	117	44	0	190	18	8	4	12	27	12	4	12	5
Essex	Shoeburyness...	...	103	90	+	—	0	—	0	12	124	25	7	230	23	10	4	12	31	14	4	12	35
5. ENGLAND, S.E.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Surrey	Richmond (Kew Obs.)...	...	82	65	22	—	0	—	0	0	60	108	0	250	12	5	5	15	21	9	5	14	35
Kent	Lymington	...	409	70	+	—	0	—	0	18	143	7	0	20	19	9	7	22	28	13	4	12	30
Surrey	Croydon	...	284	40	24	—	0	—	0	3	106	59	0	210	17	8	4	11	28	13	4	11	20
Hampshire	Petersfield (Stoner Hill)...	...	811	42	+	—	0	—	0	13	126	29	0	230	14	6	5	15	25	11	5	15	25
Hampshire	S. Farnborough	...	...	...	...	—	0	—	0	...	...	...	0	...	...	...	...	...	...	...	...	...	...
Wiltshire	(Pye's Tr.)...	...	444	160	—	—	0	—	0	45	117	6	0	270	23	10	5	15	36	16	4	11	45
Wiltshire	Larkhill, S's Plain	...	513	63	43	—	0	5	4	95	(69)	(0)	0	190	28	13	5	16	36	16	5	12	50
7a. ENGLAND, N.W.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Lancashire	Fleetwood (Cup Anr.)...	...	109	44	—	—	0	—	0	75	61	3	0	240	31	14	5	9	—	—	—	—	—
Lancashire	Southport	...	80	62	48	—	0	2, 4, 5, 7	25	92	47	4	0	270	35	16	5	10	44	20	5	9	45
7b. NORTH WALES.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Anglesey	Holyhead	...	64	45	+	—	0	—	0	116	41	11	0	190	23	10	3	14	39	17	4	0	50
8b. ENGLAND, S.W.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Devon	Plymouth	...	185	88	2	—	0	—	0	27	89	27	25	—	24	11	4	6	30	13	4	6	15
Cornwall	Pendennis Castle	...	256	65	24	—	0	4	5	21	111	31	0	220	32	14	4	4	38	17	4	3	50
10. IRELAND, S.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Dublin	Kingstown (Cup Anr.)...	...	49	27	—	—	0	5, 7	11	84	55	18	0	250	33	15	5	4	—	—	—	—	—
Clare	Quilty	...	100	40	+	—	0	5	3	90	70	5	0	—	25	11	5	1	35	16	5	2	45
Kerry	Chiverton (Val. Obs.)...	...	98	41	+	—	0	—	0	69	80	19	0	190	21	9	3	17	33	15	3	10	10
Cork	Weaver Pt.	...	160	80	+	—	0	—	0	26	105	21	16	—	20	9	3	22	32	14	3	21	50
11a. SCILLY ISLES.				ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Scilly	St. Mary's	...	150	32	+	—	0	—	0	76	79	11	2	250	24	11	4	6	35	16	4	4	5

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY-SIXTH WEEK of 1923—September 2nd to September 8th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.V." Station	Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration			
			Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal								Below 42°	Devia- tion from Normal	
0. SCOTLAND, NORTH ..		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
Eastern.		65	34	57.3	45.0	50.9	- 2.1	62	- 16	0	0	6	+ 1	1.28	32	+ 9	4.0	0.0	29	1017
1. SCOTLAND, EAST ..		70	27	59.4	44.6	51.6	- 2.1	67	- 16	0	0	4	0	0.39	10	- 1	5.7	+ 0.9	42	1019
2. ENGLAND, N.E. ..		70	34	62.4	47.2	54.5	- 1.4	87	- 11	0	0	3	0	0.27	7	- 4	6.7	+ 1.7	50	1023
3. ENGLAND, EAST ..		71	36	64.2	45.8	54.6	- 3.1	88	- 23	0	0	2	- 1	0.14	4	- 8	6.3	+ 1.0	47	1025
4. MIDLAND COUNTIES ..		74	33	64.7	46.1	54.9	- 1.8	90	- 13	0	0	2	- 1	0.19	5	- 7	7.1	+ 2.3	53	1025
5. ENGLAND, S.E. ..		72	35	65.5	46.1	55.3	- 3.5	93	- 24	0	0	2	- 1	0.10	3	- 12	6.8	+ 1.1	51	1026
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		67	30	59.7	45.3	52.1	- 2.6	71	- 19	0	0	4	0	1.06	27	+ 6	—	—	—	1022
7. ENGLAND, N.W. (and North Wales)		67	34	60.6	48.7	54.4	- 1.9	87	- 13	0	0	3	- 1	0.60	15	- 1	6.9	+ 1.9	51	1025
8. ENGLAND, S.W. (and South Wales)		70	29	63.5	48.0	55.4	- 2.1	94	- 15	0	0	2	- 2	0.32	8	- 9	7.5	+ 2.2	57	1027
9. IRELAND, NORTH ..		68	37	61.3	46.9	53.8	- 1.3	83	- 9	0	0	3	- 1	0.54	14	- 3	4.8	+ 0.5	36	1023
10. IRELAND, SOUTH ..		71	36	62.6	48.2	55.1	- 1.6	92	- 11	0	0	2	- 2	0.43	11	- 6	6.0	+ 1.1	45	1027
11. CHANNEL ISLANDS (and Scilly)		71	45	63.3	52.2	57.5	- 3.0	109	- 20	0	0	2	- 1	0.18	5	- 9	6.8	+ 0.4	51	1028
MEAN: DISTRICTS 1-10		74	27	62.4	46.7	54.2	- 2.1	85	- 15	0	0	3	- 1	0.40	10	- 5	6.4	+ 1.4	48	1024
THE SEASON (Autumn).—Aggregates, &c., for the Period of 1 Week, September 2nd to September 8th, 1923.																				
0. SCOTLAND, NORTH ..		65	34	57.3	45.0	50.9	- 2.1	62	- 16	0	0	6	+ 1	1.28	32	+ 9	4.0	0.0	29	1017
Eastern.																				
1. SCOTLAND, EAST ..		70	27	59.4	44.6	51.6	- 2.1	67	- 16	0	0	4	0	0.39	10	- 1	5.7	+ 0.9	42	1019
2. ENGLAND, N.E. ..		70	34	62.4	47.2	54.5	- 1.4	87	- 11	0	0	3	0	0.27	7	- 4	6.7	+ 1.7	50	1023
3. ENGLAND, EAST ..		71	36	64.2	45.8	54.6	- 3.1	88	- 23	0	0	2	- 1	0.14	4	- 8	6.3	+ 1.0	47	1025
4. MIDLAND COUNTIES ..		74	33	64.7	46.1	54.9	- 1.8	90	- 13	0	0	2	- 1	0.19	5	- 7	7.1	+ 2.3	53	1025
5. ENGLAND, S.E. ..		72	35	65.5	46.1	55.3	- 3.5	93	- 24	0	0	2	- 1	0.10	3	- 12	6.8	+ 1.1	51	1026
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		67	30	59.7	45.3	52.1	- 2.6	71	- 19	0	0	4	0	1.06	27	+ 6	—	—	—	1022
7. ENGLAND, N.W. (and North Wales)		67	34	60.6	48.7	54.4	- 1.9	87	- 13	0	0	3	- 1	0.60	15	- 1	6.9	+ 1.9	51	1025
8. ENGLAND, S.W. (and South Wales)		70	29	63.5	48.0	55.4	- 2.1	94	- 15	0	0	2	- 2	0.32	8	- 9	7.5	+ 2.2	57	1027
9. IRELAND, NORTH ..		68	37	61.3	46.9	53.8	- 1.3	83	- 9	0	0	3	- 1	0.54	14	- 3	4.8	+ 0.5	36	1023
10. IRELAND, SOUTH ..		71	36	62.6	48.2	55.1	- 1.6	92	- 11	0	0	2	- 2	0.43	11	- 6	6.0	+ 1.1	45	1027
11. CHANNEL ISLANDS (and Scilly)		71	45	63.3	52.2	57.5	- 3.0	109	- 20	0	0	2	- 1	0.18	5	- 9	6.8	+ 0.4	51	1028
MEAN: DISTRICTS 1-10..		74	27	62.4	46.7	54.2	- 2.1	85	- 15	0	0	3	- 1	0.40	10	- 5	6.4	+ 1.4	48	1024
THE YEAR. Aggregates, &c., for the Period of 36 Weeks, December 31st, 1922, to September 8th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	52.0	41.6	46.6	+ 0.4	1471	- 115	317	- 199	170	+ 4	34.80	883	+ 68	3.5	- 0.1	26	1009
Eastern.																				
1. SCOTLAND, EAST ..		82	20	52.8	40.8	46.5	- 0.2	1563	- 216	419	- 165	155	+ 13	22.06	565	+ 53	3.6	- 0.7	27	1010
2. ENGLAND, N.E. ..		91	25	55.0	43.0	48.7	+ 0.4	1990	- 47	294	- 156	130	+ 3	16.24	416	+ 3	4.3	- 0.3	32	1013
3. ENGLAND, EAST ..		94	23	57.4	44.1	50.5	+ 1.1	2374	+ 33	234	- 233	117	- 6	13.95	352	- 39	4.8	- 0.2	36	1014
4. MIDLAND COUNTIES ..		95	22	57.0	43.2	49.8	+ 0.7	2244	- 43	280	- 214	131	+ 9	19.67	500	+ 59	3.9	- 0.6	29	1014
5. ENGLAND, S.E. ..		93	22	58.0	44.8	51.1	+ 0.6	2473	- 15	183	- 174	116	- 3	16.63	424	0	4.9	- 0.3	37	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.3	42.5	48.1	- 0.1	1828	- 129	279	- 111	159	+ 10	33.64	851	+ 100	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		89	24	54.9	44.4	49.5	+ 0.5	2064	- 67	185	- 175	148	+ 14	23.30	592	+ 26	4.1	- 0.5	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	56.7	45.3	50.7	+ 0.5	2336	- 11	133	- 151	134	+ 1	24.37	618	+ 15	4.5	- 0.5	34	1015
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 0.4	27	1012
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly)		90	32	57.8	48.4	52.9	+ 0.5	2750	+ 43	3	- 97	140	+ 4	20.08	510	+ 25	5.3	- 0.6	40	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.
 PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE, at the following addresses:—
 IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S PLACE, LONDON, E.C.4; 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 37.
 Vol. XL (New Series) }

THIRTY-SEVENTH WEEK.

SUNDAY, SEPTEMBER 9TH, TO SATURDAY, SEPTEMBER 15TH, 1923.

Price 9d. Net, Post free 9½d.
 Annual Subscription
 (including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather during the first four or five days of the week was fine and dry in the eastern and southern parts of England, but on the last two days rain fell in most places and in some parts thunderstorms were experienced. In other parts of our Islands the weather of the week was of a less settled character and rain fell on several days. Maximum temperatures of 70°F. and above were recorded in places, the highest reading, 77°F., being registered in London on the 13th. The lowest of the screen minima, 31°F., occurred at Ford (Argyll), but ground frosts were recorded in some parts, and at Rhayader (Radnor) on the morning of the 11th a reading of 24°F. was registered. The mean temperature of the week was above the normal in the eastern and south-eastern parts of England but in all other Districts it was below normal. The total amount of rainfall for the week was above the normal in all Districts with the exception of England E., where it was slightly below. Among the largest individual measurements recorded were 36mm. at

Onich (Inverness), 31mm. at Ford (Argyll), 25mm. at Achnashellach (Ross-shire), 23mm. at Lerwick on the 11th, 23mm. at Blacksod Point on the 12th, 24mm. at Crieff (Perth), 21mm. at Renfrew on the 13th and 39mm. at Porton (Salisbury Plain), 31mm. at Spurn Head, 25mm. at Lincoln, 24mm. at Nottingham, 23mm. at Weymouth, 21mm. at Hull and 20mm. at Oxford on the 14th.

Good sunshine records were obtained during the first half of the week, a large number of stations, notably in the eastern and southern parts of England, recording between 11 and 12 hours. The departure of the mean daily duration from the normal for the week ranged from +3.4 hours at St. Leonard's to -1.4 hours at Aspatria (Cumberland). A double rainbow was seen at Ross-on-Wye on the 14th. Solar halos were witnessed at Oxford on the 12th and 15th, and at Deerness on the 14th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	19	11	5.0	17	9	4.0	17	7	3.1	16	7	3.0	18	14	6.1	5	7	3.2	20	8	3.7	14	9	3.9
North	5	5	2.3	3	6	2.6	3	4	2.0	2	5	2.2	3	6	2.7	18	7	3.3	4	2	0.9	13	9	4.0
West	20	14	6.3	25	15	6.5	14	5	2.3	14	4	2.0	23	9	4.1	18	7	3.3	21	13	5.9	19	9	4.2
East	6	10	4.4	1	8	3.4	8	4	1.8	4	4	1.7	0	—	—	6	2	1.0	3	3	1.4	7	2	0.8
Calm (or wind- speed < 4 m.p.h.)	1	—	—	2	—	—	6	—	—	10	—	—	3	—	—	2	—	—	4	—	—	1	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
	0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	(Warmth .. Rainfall .. Sunshine ..	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate
		Heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate
		Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	—	Moderate	Moderate	Scanty	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 2 weeks from Sept. 2nd, 1923.	Warmth ..	0, 1, 1	0, 1, 1	0, 2, 0	1, 0, 1	0, 2, 0	0, 1, 1	0, 0, 2	0, 1, 1	0, 1, 1	0, 0, 2	0, 1, 1	0, 1, 1
	Rainfall ..	2, 0, 0	1, 1, 0	1, 1, 0	0, 1, 1	0, 1, 1	0, 1, 1	1, 1, 0	0, 2, 0	0, 1, 1	0, 2, 0	0, 2, 0	0, 2, 0
	Sunshine ..	1, 1, 0	2, 0, 0	1, 1, 0	1, 1, 0	1, 1, 0	2, 0, 0	—	1, 1, 0	1, 1, 0	1, 0, 1	1, 1, 0	0, 2, 0

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground	Frost	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	58	9th	42	13th	54.4	46.7	50.4	-0.7	6	1.79	5	+28	Lerwick	4.2	—	32	—	—	—	—	—
Orkneys	Deerness	160	p	59	9th	44	12th	54.7	46.3	50.3	-1.6	5	1.26	32	+16	Deerness	5.4	+1.5	42	—	—	—	—	—
Hebrides	Stornoway	51	t	58	9th	41	13th	55.1	47.6	51.2	-1.2	7	1.58	0	+18	Stornoway	3.9	-0.3	30	—	—	—	—	—
	Castlebay	37	t	57	9th	46	13th	54.3	49.9	52.0	—	7	1.00	25	—	Castlebay	2.8	—	22	—	—	—	—	—
Caithness	Wick	81	t	60	9th	40	13th	56.1	46.7	51.2	-1.1	5	0.59	15	+3									
Ross and Cromarty	Strathpeffer	125	a	61	9, 10	41	13th	58.7	46.0	52.1	-1.0	5	0.59	15	+3									
	Achnashellach	225	a	57	9, 14	41	13th	54.7	47.1	50.7	—	7	2.41	61	—	Achnashellach	—	—	0	32	—	—	—	—
Inverness	Inverness	242	a	60	9th	44	13th	57.3	48.0	52.4	—	4	0.36	9	—	Inverness	5.1	—	40	0	40	—	—	—
	Fort Augustus	68	a	59	9th	40	13th	56.3	46.1	51.0	-2.1	6	1.03	26	+7									
	Onich	48	a	60	14th	42	13th	56.3	48.4	52.2	—	7	2.25	57	—	Onich	1.8	—	14	0	36	—	—	—
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	64	9th	42	13th	57.4	48.3	52.6	-0.4	6	0.79	20	+8	Nairn	4.9	—	38	—	—	—	—	—
Elgin	Gordon Castle	101	p	65	9th	42	13th	59.7	46.9	53.0	-0.5	2	0.45	11	-2	Gordon Castle	5.2	—	40	—	—	—	—	—
Aberdeen	Aberdeen	46	t	65	9th	40	13th	59.3	48.0	53.4	—	2	0.51	13	+1	Aberdeen	6.0	+1.7	47	0	32	—	—	52.7 -0.4
	Balmoral	930	a	62	9th	38	13th	56.1	48.6	49.6	-0.6	3	0.53	13	+1	Balmoral	—	—	2	29	—	—	—	—
Perth	Crieff	478	p	59	9, 10	39	13th	57.1	44.6	50.6	-3.3	4	1.09	28	+13	(Kinc.) Crathes	5.2	+1.2	41	2	23	51.2	—	51.2
Forfar	Dundee	147	a	63	9th	42	13th	60.3	47.1	53.4	—	2	0.64	16	—	Dundee	4.3	—	33	0	39	54.7	—	—
Fife	Inchkeith	190	t	60	9th	46	13th	56.6	50.1	53.2	—	3	0.37	9	—	Inchkeith	4.4	—	34	0	43	—	—	—
Midlothian	Edinburgh	441	p	62	9th	42	15th	58.0	47.0	52.2	-1.5	4	0.33	8	-2	Edinburgh	4.5	+0.3	35	0	38	—	—	—
Peebles	West Linton	770	a	58	14th	36	15, 15	56.1	48.1	49.3	-1.1	5	0.78	20	—	West Linton	—	—	0	31	—	—	—	—
Berwick	Marchmont	498	a	61	9th	40	13th	58.3	45.1	51.4	-1.5	3	0.26	7	-6	Marchmont	4.4	+0.2	34	—	—	—	—	—
2a. SCOTLAND, W.																								
Argyle	Ford	149	a	57	14th	31	13th	55.6	45.9	50.5	—	7	2.78	71	—	Ford	—	—	1	30	55.2	—	—	55.7
Renfrew	Renfrew	49	t	59	9, 10	38	13th	57.3	47.0	51.9	—	4	1.18	30	—	Renfrew	3.4	—	27	2	30	—	—	—
Bute	Rothsay	200	p	60	9th	44	13th	56.7	48.1	52.2	-1.9	7	1.33	34	+15	Rothsay	2.8	—	22	0	39	53.9	—	54.1 -0.6
Ayr	Kilmarnock	90	a	61	9th	42	15th	58.7	47.9	53.0	0.0	6	1.37	35	+21	Kilmarnock	2.8	—	22	—	—	54.3	—	54.2
	Colmonell	170	a	60	9, 10, 11	42	15th	58.1	48.1	52.9	-0.8	6	0.61	15	-1	Colmonell	—	—	0	35	—	—	—	—
Dumfries	Dumfries	140	p	59	10, 14	38	15th	57.7	46.9	52.0	-2.3	4	0.65	17	+5	Dumfries	3.0	—	24	0	31	54.9	-1.0	54.9 -2.0
	Eskdalemuir	794	t	58	10th	36	15th	55.0	44.9	49.7	—	5	1.54	39	—	Eskdalemuir	3.1	—	24	1	30	—	—	—
3a. ISLE OF MAN.																								
I. of Man	Douglas	284	a	60	11th	44	15th	58.0	49.1	53.3	-1.3	5	0.79	20	+5	Douglas	5.3	-0.1	41	0	39	—	—	—
2. ENGLAND, N.E.																								
Northumberland	Cockle Park	324	p	63	9th	39	15th	59.6	43.9	51.4	-1.1	2	0.18	5	-4	Cockle Park	5.5	+0.8	42	0	39	52.6	0.0	53.1 -0.4
	Tynemouth	118	t	65	9th	49	10, 13, 15	61.7	51.3	56.3	+1.9	2	0.12	3	-5	Tynemouth	—	—	0	43	—	—	—	—
Durham	Durham	336	p	62	9th	41	15th	60.1	46.6	53.0	-1.1	2	0.18	5	-2	Durham	4.8	+0.5	38	0	37	—	—	—
York	Rounton	249	p	65	9th	45	9, 11	62.4	48.4	55.1	+1.4	3	0.26	7	-1	Rounton	—	—	1	30	56.0	—	—	—
	West Witton	605	a	63	9th	43	15th	60.9	48.1	54.2	—	3	0.21	5	—	West Witton	—	—	0	36	53.8	—	—	52.9
	Scarborough	118	a	69	9th	47	11th	64.7	50.6	57.8	+1.3	2	0.48	12	+4	Scarborough	4.5	-0.3	35	—	—	56.8	—	56.8
	York	56	p	69	9th	45	9, 11	64.3	50.1	56.9	+1.2	2	0.44	11	+4	York	4.4	0.0	34	—	—	56.5	-0.5	56.0 -0.8
E. Riding	Spurn Head	26	t	68	9th	49	11, 15	63.3	51.9	57.3	+0.5	3	1.39	35	+29	Spurn Head	5.9	—	46	—	—	—	—	—
Lincoln	Lincoln	58	a	71	9th	43	11th	63.3	49.4	57.0	+0.6	1	1.00	25	+18	Lincoln	—	—	0	41	56.5	-0.6	56.4 -0.8	
	Cranwell	237	t	69	9th	41	11th	64.7	47.6	55.7	-0.7	2	0.76	19	+12	Cranwell	5.2	-0.1	41	0	35	—	—	—
	Skewness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skewness	5.5	-0.1	43	—	—	—	—	—
Norfolk	Cromer	196	a	73	9, 13	46	11th	68.2	50.0	58.7	+1.1	2	0.1	4	-4	Cromer	6.4	+1.1	50	—	—	—	—	—
	Yarmouth	13	t	70	12th	48	12th	65.6	51.6	58.3	+0.9	2	0.1	4	-5	Yarmouth	7.3	—	57	0	45	59.1	-0.3	58.0 -1.3
	Norwich	93	a	73	9th	43	11th	68.4	47.8	57.6	+0.6	2	0.2	7	-3	Norwich	6.9	—	54	0	37	57.1	—	—
	Geldeston	37	a	73	9th	42	9th	68.6	48.6	58.1	+1.0	1	0.0	1	-8	Geldeston	—	—	—	—	—	—	—	—
Cambridge	Cambridge	41	p	73	9, 13	40	9th	69.4	47.4	57.9	+0.8	2	0.48	12	+4	Cambridge	7.3	+1.9	57	0	34	58.4	-0.3	57.8 -1.1
Hertford	Rothamsted	420	a	70	9, 13	40	9th	69.9	47.3	56.6	+0.6	2	0.59	15	+6	Rothamsted	7.4	+2.0	58	1	30	56.8	—	—
Middlesex	Tottenham	51	p	74	13th	41	9th	69.7	52.0	60.4	—	2	0.33	8	—	Tottenham	6.7	—	62	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	72	12th	52	12, 13	66.1	54.0	59.8	+1.9	2	0.13	3	-5	Clacton-on-Sea	8.0	+1.8	63	0	45	60.1	+1.1	58.6 -0.7
	Southend	90	a	73	9, 12	50	9th	71.1	52.6	61.4	—	1	0.21	5	—	Southend	7.9	—	61	0	46	61.9	—	—
4. MIDLAND COUNTIES.																								
York	Harrogate	479	a	66	9th	44	11, 15	61.6	47.9	54.4	+0.1	4	0.2	7	-1	Harrogate	5.1	+0.4	39	0	39	54.4	-0.1	54.5 -0.4
W. Riding	Sheffield	429	p	66	9th	39	11th	59.7	46.4	52.7	+0.1	4	0.4	10	-4	Sheffield	—	—	38	1	30	54.0	-0.7	53.8 -1.2
Derby	Buxton	987	p	66	9th	39	11th	59.7	46.4	52.7	+0.1	4	0.4	10	-4	Buxton	4.8	—	38	1	30	54.0	-0.7	53.8 -1.2
Nottingham	Worksop (HodsckP)	56	a	72	9th	41	11th	66.6	47.6	56.6	+1.0	2	0.72	18	+12	Worksop	4.2	-0.1	32	1	30	56.4	—	55.4
	Nottingham	82	t	69	9th	41	11th	64.3	47.9	55.7	-0.3	2	0.96	25	+18	Nottingham	4.0	-0.5	31	0	34	55.2	-0.9	56.4 -1.1
Warwick	Birmingham (Edg.)	525	t	69	9th	44	15th	62.4	47.9	54.8	-1.2	2	0.58	15	+7	Birmingham	4.0	+0.1	31	0	33	53.5	-0.4	52.8 -0.8
Northampton	Raunds	213	a	73	9th	42	9th	68.1	46.7	56.9	-0.1	2	0.80	20	+13	Raunds	5.5	—	43	0	37	58.9	—	—
Oxford	Oxford	208	p	72	9th																			

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean			in.	mm.						Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.	*P.	*F.	*F.	*F.	*F.									*F.	*F.	*F.	*F.				
Cardigan	Aberystwyth	16	h	62	9, 11	43	11th	59.7	50.4	54.8	—	6	1.06	27	—	Aberystwyth	5.1	- 0.3	40	—	—	—	—		
Pembroke	St. Ann's Hd.	149	t	63	10th	49	11th	59.0	52.4	55.5	- 1.6	5	0.55	14	+ 2	St. Ann's Hd.	5.3	- 0.1	41	—	—	—	—		
Radnor	Rhayader...	757	a	65	9th	34	11th	59.6	42.7	50.7	—	4	0.26	7	—	Rhayader	4.7	—	37	4	24	—	—		
Glamorgan	Cardiff	202	p	68	9th	46	11, 15	61.9	49.6	55.5	- 0.8	2	0.42	11	- 3	Cardiff	4.0	—	31	0	38	58.1	- 0.1	57.2	- 1.1
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	71	9th	45	15th	65.1	52.9	58.7	+ 1.9	2	0.56	14	+ 5	Bath	4.6	- 0.9	36	—	—	59.8	—	59.0	—
Dorset	Shaftesbury	722	a	70	9th	43	15th	64.3	48.4	56.0	- 0.2	3	0.81	21	+ 10	Shaftesbury	—	—	—	—	—	—	—	58.2	—
Devon	Portland Bill	19	t	66	9, 10	53	11, 13	63.6	55.6	59.4	+ 0.6	1	0.43	11	+ 3	Weymouth	6.0	—	47	—	—	—	—	—	—
	Arlington	613	a	66	9th	43	9th	60.6	47.7	53.8	- 1.8	4	0.88	22	+ 4	Cullompton	5.7	+ 0.5	45	0	35	60.4	—	—	—
	Cullompton	202	a	73	9, 11	40	15th	66.6	48.2	57.0	+ 0.5	4	0.65	17	+ 7	Plymouth	6.8	+ 1.1	53	0	38	60.2	+ 0.6	59.0	—
	Plymouth...	116	p	70	9, 11	42	15th	65.3	50.3	57.4	- 0.6	3	0.38	10	- 1	Newquay	4.8	- 1.0	37	—	—	58.4	—	57.7	—
Cornwall	Newquay	190	h	62	9, 11	43	11th	60.2	50.1	54.9	- 3.2	3	0.36	9	- 3	Falmouth	6.9	+ 1.1	54	0	41	61.4	—	61.4	—
	Falmouth...	167	h	68	11, 12	47	15th	64.0	51.0	57.2	- 0.5	3	0.24	8	- 7										
9. IRELAND, N.																									
Donegal	Malin Head	71	t	59	13th	47	13, 14, 15	56.0	49.6	52.7	- 2.5	7	0.76	19	+ 7	Malin Head	2.3	—	18	—	—	—	—	—	—
Mayo	Blackod Point	10	t	60	9th	44	15th	57.3	47.7	52.3	- 3.7	7	1.44	37	+ 19										
Sligo	Mallary	120	a	60	9, 10	45	10th	57.9	49.1	53.3	—	4	1.84	47	—	Mallary	4.0	—	31	—	—	—	—	—	—
	Markree Castle	122	p	65	11th	38	10th	59.3	46.3	52.6	- 1.5	6	1.71	43	+ 27	Markree Castle	2.9	- 0.9	23	0	34	56.6	- 1.1	56.0	- 0.7
Armagh	Armagh	204	p	63	11th	42	15th	58.7	47.1	52.6	- 1.8	5	0.58	15	+ 3	Armagh	3.2	- 0.9	25	0	41	55.6	- 1.2	55.2	- 1.3
Down	Donaghadee	35	t	64	11th	41	15th	59.3	48.7	53.8	- 1.4	4	0.49	12	+ 1										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	65	9th	45	15th	60.3	50.3	55.1	- 1.0	5	0.39	10	+ 1	Trinity Coll.	—	—	—	0	38	57.5	- 0.2	56.2	- 0.9
King's County	Birr Castle	175	t	62	9, 10	41	15th	59.4	47.3	53.1	- 1.4	6	0.48	12	+ 1	Phoenix Park	4.9	0.0	38	0	37	—	—	—	—
Kilkenny	Kilkenny	105	a	66	9th	37	15th	60.8	44.4	52.2	- 2.8	5	0.23	6	- 5	Dublin City	—	—	—	0	40	—	—	—	—
Waterford	Waterford	137	a	65	10th	41	15th	61.0	47.3	53.8	- 1.9	4	0.36	9	- 4	Birr Castle	4.3	- 0.1	34	0	33	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	68	9th	40	15th	61.1	46.1	53.2	—	3	0.26	7	—	Seskin	5.5	—	42	0	34	—	—	—	—
Limerick	Foynes	50	a	65	9th	41	10th	61.4	48.9	54.9	- 0.9	6	0.52	13	- 4										
Kerry	Cahiriveen (Val.O.)	30	t	63	12th	44	11th	58.9	51.1	54.8	- 1.8	6	0.95	24	+ 5	Cahiriveen (Valencia O.)	5.1	+ 0.4	40	0	41	—	—	—	—
Cork	Killarney	174	a	67	9, 10, 11	40	10th	63.4	47.6	55.1	- 1.3	6	1.51	38	+ 21	Ballinacurra	5.0	+ 0.4	39	—	—	—	—	—	—
	Roche's Point	32	t	64	12th	45	11th	59.6	50.6	54.9	- 1.8	4	0.40	10	- 4										
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	64	9, 11, 12	46	15th	62.3	52.0	56.9	- 1.9	3	0.39	10	- 1	St. Mary's	5.9	- 0.2	46	—	—	—	—	—	—
Guernsey	Grange	173	p	74	9th	49	15th	66.6	52.7	59.3	- 1.2	2	0.62	16	+ 5	Grange	6.5	- 0.2	51	0	45	61.6	+ 0.1	61.2	- 0.4
Jersey	St. Aubins	25	t	73	9th	51	11, 15	67.4	53.1	59.9	- 0.5	3	0.88	21	+ 10	St. Heliers	7.5	+ 0.8	59	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 15th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. 11								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		12 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.										
Shetlands Lerwick ...	310	42	+	9, 12	16	9 to 14	51	68	32	1	0	240	m.p.h. 59	m/s. 26	d. 9	hr. 15	m.p.h. 32	m/s. 37	d. 9	h. 14	m. 50
Orkneys **Deerness (Cup Anr.)	188	16	5	9	1	9, 11 to 14	28	90	42	7	0	250	39	17	9	14	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	12	4	79	83	2	0	270	28	13	12	13	53	23	12	12	25
Edinburgh Edinburgh ...	485	39	31	—	0	9, 11, 12	31	94	34	9	0	250	30	13	11	15	49	22	12	9	30
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	64	93	11	0	280	23	11	12	12	49	22	12	13	10
Dumfries Eskdalemuir ...	825	50	22	—	0	9, 11, 12	22	73	62	4	7	260	34	15	12	11	47	21	11	14	45
2. ENGLAND, N.E.																			12	10	25
Durham South Shields...	72	61	12	—	0	—	0	51	91	26	0	240	24	11	12	4	40	18	12	9	15
York, E.R. Spurn Head ...	67	41	+	—	0	—	0	74	90	4	0	250	22	10	12	12	34	15	12	11	20
Lincoln Cranwell ...	230	43	31	—	0	—	0	36	(88)	(44)	0	250	24	11	12	9	28	13	12	9	0
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	+	—	0	—	0	25	112	31	0	160	23	10	14	14	29	13	14	14	50
Essex Shoeburyness...	103	90	++	—	0	—	0	27	80	59	2	190	18	8	14	12	34	15	15	15	0
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	5	91	72	0	170	13	6	14	13	25	11	14	14	40
Kent Lympne ...	409	70	+	—	0	—	0	—	128	12	0	220	18	8	14	10	25	11	15	14	30
Surrey Croydon ...	284	40	24	—	0	—	0	—	123	40	0	200	15	7	14	14	26	12	14	13	5
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	7	101	60	0	190	14	6	14	13	25	11	14	13	50
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	51	67	25	25	180	22	10	14	14	36	16	14	15	30
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	7	(93)	(0)	0	180	24	11	14	12	31	14	14	11	55
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	11, 12	3	76	86	3	0	230	25	11	12	11	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	11, 12	13	78	76	1	0	250	32	14	12	10	42	19	12	5	40
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	—	0	—	0	100	56	12	0	270	24	11	15	21	37	17	11	15	40
8b. ENGLAND, S.W.																			13	17	45
Devon Plymouth ...	185	88	2	—	0	—	0	17	100	51	0	—	22	10	13	22	29	13	14	1	45
Cornwall Pendennis Castle...	256	65	24	—	0	14	2	22	102	42	0	220	26	12	14	1	37	17	14	2	15
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	11 to 13, 15	15	65	71	17	0	230	35	16	12	5	—	—	—	—	—
Clare Quilty ...	100	40	+	—	0	11, 13, 15	9	100	34	25	0	—	26	11	11	17	42	19	15	8	35
Kerry Cahirciveen (Val. Obs.)...	98	41	++	—	0	13	1	92	61	14	0	190	26	12	13	10	43	19	13	9	45
Cork Weaver Pt. ...	180	30	+++	—	0	—	0	25	103	13	27	—	24	11	13	14	37	17	13	13	55
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	—	0	—	0	51	95	22	0	320	23	10	15	17	34	15	15	6	5

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE BY BARCLAY & FRV, LTD., THE GROVE, SOUTHWARK, S.E.1.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 38.
Vol. XL. (New Series) }

THIRTY-EIGHTH WEEK.

SUNDAY, SEPTEMBER 16TH, TO SATURDAY, SEPTEMBER 22ND, 1923.

Price 9d. Net. Post free 9d.
Annual Subscription
(including Postage), 22 Os. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week the weather over the British Isles was of a very unsettled character. There were bright intervals, but rain fell on most days and in several places measurements of 25mm. and above were recorded. Thunderstorms occurred in some parts and at a few stations hail was reported. Among the largest rainfall measurements were 27mm. at Blacksod Point on the 16th, 38mm. at Colmonell (Ayr), 33mm. at Onich (Inverness), 31mm. at Roche's Point, 27mm. at Dumfries and at Rothesay (Bute), 26mm. at Renfrew and 25mm. at Cardiff, Waterford and Cahirciveen (Valencia Observatory) on the 17th, 29mm. at Burnley on the 18th, 26mm. at Eastbourne and 25mm. at Malin Head and Ford (Argyll) on the 22nd. The total amount of rainfall for the week was in excess of the normal in all Districts. In a few places the maximum temperature rose to 65°F., but in most parts of the country the highest temperatures of the week were below that reading. There were no exceptionally low screen minimum temperatures, the lowest reading, 29°F., being

recorded at Balmoral on the 20th, but ground frosts occurred in several places. The mean temperature for the week was below the normal in all Districts, the greatest deficit, about 5°F., being shown in Scotland E. and Ireland N. The largest amounts of sunshine were obtained in the eastern and south-eastern parts of England in the early part of the week and at many places sunshine records of between 11 and 12 hours were registered. The departure of the mean daily duration from the normal for the week ranged from +2.2 hours at Worthing to -1.9 hours at Aberystwyth. Aurora was seen at Dublin on the 18th. Solar halos were observed at Dublin on the 16th, at Richmond (Kew Observatory) on the 18th, at Ross-on-Wye on the 22nd, at Tenbury on the 17th and 19th and at Oxford on the 17th, 18th, 19th, 20th and 22nd. The halos observed at Dublin on the 16th and at Oxford on the 18th were accompanied by a parhelion. Lunar halos were seen at Oxford on the 18th and 22nd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	17	12 5.5	18	9 4.0	23	7 3.1	23	7 3.1	20	6 2.7	6	17 7.4	25	9 4.2	17	7 3.2
North	7	6 2.9	8	3 1.4	2	6 2.8	2	4 1.7	3	8 3.5	10	10 4.3	2	7 3.0	11	6 2.6
West	14	6 2.8	25	11 5.0	24	7 3.3	21	8 3.5	26	19 8.4	27	21 9.5	25	17 7.4	27	15 6.6
East	8	6 2.8	2	3 1.5	2	6 2.6	0	—	1	11 4.8	0	—	1	7 3.2	1	4 1.6
Calm (or wind-speed < 4 m.p.h.)	3	—	1	—	2	—	3	—	0	—	0	—	0	—	0	—
No record ...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	11. Channel Islands (and Scilly).	12. Channel Islands (and Scilly).
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.		
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		
Comparison with the normal for the time of year ..	Warmth ..	Very Deficient	Very Deficient	Deficient	Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient
	Rainfall ..	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Very Heavy	Heavy	Heavy	Very Heavy	Heavy	Very Heavy	Very Heavy
	Sunshine ..	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	—	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 3 weeks from Sept. 2nd, 1923.	Warmth ..	0, 1, 2	0, 1, 2	0, 2, 1	1, 0, 2	0, 2, 1	0, 1, 2	0, 0, 3	0, 1, 2	0, 1, 2	0, 0, 3	0, 1, 2	0, 1, 2	0, 1, 2
		3, 0, 0	2, 1, 0	2, 1, 0	1, 1, 1	1, 1, 1	1, 1, 1	2, 1, 0	1, 2, 0	1, 1, 1	1, 2, 0	1, 2, 0	1, 2, 0	1, 2, 0
		1, 2, 0	2, 1, 0	1, 2, 0	2, 1, 0	1, 2, 0	3, 0, 0	—	1, 2, 0	1, 2, 0	1, 1, 1	1, 2, 0	0, 3, 0	0, 3, 0

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	56	16th	40	21st	53.0	45.2	49.0	-0.9	5	0.78	20	+7	Lerwick	hr.	hr.	%	F.	F.	F.	F.	F.	
Orkneys	Deerness	160	p	55	16, 21	40	20th	52.9	42.3	47.4	-3.3	7	0.74	19	+6	Deerness	4.6	-	37	-	-	-	-		
Hebrides	Stornoway	51	t	57	18th	37	18, 21	52.7	41.1	46.6	-4.6	7	1.91	49	+31	Stornoway	2.6	-0.5	21	-	-	-	-		
	Castlebay	37	t	54	18, 19	45	22nd	52.6	47.0	49.7	-	6	1.80	46	-	Castlebay	3.3	-0.1	27	-	-	-	-		
Caithness	Wick	81	t	54	18th	34	20th	52.4	40.9	46.4	-4.7	6	0.80	20	+9		5.0	-	40	-	-	-	-		
Ross and Cromarty	Strathpeffer	125	a	58	16, 19	34	20th	54.7	40.1	47.1	-4.7	7	0.85	22	+12		-	-	-	-	-	-	-		
Inverness	Achnashellach	225	a	55	18th	38	21st	52.1	42.3	47.0	-	6	1.87	47	-	Achnashellach	-	-	-	-	-	-	-		
	Inverness	242	a	56	18th	37	20th	53.4	42.0	47.4	-	6	0.62	13	-	Inverness	3.4	-	28	0	33	-	-		
	Fort Augustus	68	a	57	20th	38	20th	54.1	42.0	47.8	-4.1	6	1.20	30	+15		-	-	-	-	-	-	-		
	Onich	48	a	56	18th	38	21st	54.3	41.9	47.8	-	7	3.82	97	-	Onich	2.5	-	20	0	33	-	-		
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	57	18, 19	36	20th	54.9	41.0	47.6	-4.1	7	0.78	20	+7	Nairn	3.7	-	30	-	-	-	-		
Elgin	Gordon Castle	101	p	56	18th	34	20th	54.3	40.4	47.0	-5.2	4	0.30	8	-7	Gordon Castle	2.8	-	22	-	-	-	-		
Aberdeen	Aberdeen	46	t	56	18th	35	20th	54.0	41.0	47.2	-	5	0.95	24	+11	Aberdeen	3.3	-0.5	27	1	26	-	52.2		
	Balmoral	930	a	53	16, 19, 22	29	20th	51.6	35.3	43.1	-5.8	7	0.96	24	+10	Balmoral	3.3	-	27	4	23	-	-		
Perth	Craigmiles	478	p	58	18, 20	35	20th	54.9	39.1	46.6	-6.0	6	1.34	34	+17	(Kinc.) Craigmiles	3.9	+0.4	31	5	24	48.4	50.5		
Forfar	Dundee	147	a	59	18th	39	20th	55.7	42.3	48.7	-	4	0.55	14	-	Dundee	2.4	-	19	0	35	52.1	-		
Fife	Inchkeith	190	t	56	18th	43	20th	53.7	45.4	49.4	-	4	0.50	13	-	Inchkeith	4.7	-	38	0	40	-	-		
Midlothian	Edinburgh	441	p	56	18th	40	20th	53.4	43.1	48.0	-4.5	4	0.56	14	+3	Edinburgh	4.4	+0.7	36	0	38	-	-		
Peebles	West Linton	770	a	60	16th	36	16th	53.9	38.6	45.9	-3.2	7	0.86	22	-	West Linton	-	-	0	32	-	-	-		
Berwick	Marchmont	498	a	58	16, 17, 18	36	20th	54.9	40.0	47.1	-4.5	6	0.83	8	-6	Marchmont	3.8	+0.1	31	-	-	-	-		
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	57	18th	32	20th	53.4	41.4	47.1	-	7	4.04	103	-	Ford	-	-	-	0	32	53.3	54.8		
Renfrew	Renfrew	49	t	57	16, 18	41	18th	54.9	42.9	48.6	-	7	2.54	64	-	Renfrew	4.9	-	40	1	30	-	-		
Bute	Rothsay	200	p	57	18th	40	20th	53.9	43.9	48.7	-4.4	7	2.99	76	+53	Rothsay	4.6	-	37	0	37	51.9	53.0		
Ayr	Kilmarnock	90	a	60	18th	41	20th	56.0	43.9	49.7	-2.3	7	2.15	55	+38	Kilmarnock	4.0	-	32	-	-	52.1	53.7		
	Colmonell	170	a	60	18th	38	18th	56.0	44.0	49.7	-3.0	7	2.96	75	+56	Colmonell	-	-	-	0	38	-	-		
Dumfries	Dumfries	140	p	57	18th	40	17, 20, 21	54.7	42.1	48.1	-5.2	6	1.86	47	+33	Dumfries	5.1	-	41	0	34	52.4	54.1		
	Eskdalemuir	794	t	55	16th	35	20th	52.3	37.7	44.7	-	7	1.75	44	-	Eskdalemuir	3.9	-	31	0	32	-	-		
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	a	56	18, 20, 22	41	17th	55.0	44.7	49.6	-4.0	7	1.38	35	+17	Douglas	5.3	+0.8	42	0	39	-	-		
2. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	60	16th	37	16, 22	54.7	39.0	46.5	-4.8	5	0.90	23	+11	Cockle Park	4.4	+0.3	36	0	32	48.1	51.9		
Durham	Tynemouth	118	t	59	16th	42	16, 20	55.3	44.3	49.5	-3.7	5	0.48	12	+2	Tynemouth	-	-	0	36	-	-	-		
York	Durham	336	p	59	17, 22	37	16, 20	56.4	40.3	48.0	-4.8	5	0.54	14	+4	Durham	4.5	+0.7	36	1	30	-	-		
	Rounton	249	p	58	16th	37	20th	56.3	42.1	48.9	-3.5	7	0.97	25	+15	Rounton	-	-	4	26	53.4	-	-		
N. Riding	West Witton	605	a	57	16th	40	16th	54.9	42.7	48.5	-	7	1.28	33	-	West Witton	-	-	-	0	33	51.2	52.4		
	Scarborough	118	a	60	22nd	42	17th	55.9	44.6	50.0	-4.3	6	1.08	27	+18	Scarborough	3.2	-0.6	26	-	-	54.2	55.5		
	York	56	p	60	22nd	42	17th	55.9	44.6	50.0	-4.3	6	1.08	27	+18	York	-	-	-	-	-	-	-		
E. Riding	Spurn Head	26	t	61	22nd	45	16, 17	57.0	46.6	51.6	-3.9	5	0.51	13	+5	Spurn Head	5.4	-	44	-	-	-	-		
Lincoln	Lincoln	58	a	63	22nd	40	16th	59.0	43.3	50.8	-4.1	5	0.49	12	+4	Lincoln	-	-	0	39	53.7	56.0			
	Cranwell	237	t	62	22nd	40	17th	58.3	42.4	50.0	-5.0	6	0.46	12	+3	Cranwell	5.4	+0.8	44	0	37	-	-		
	Skegness	56	t	62	22nd	40	17th	58.3	42.4	50.0	-5.0	6	0.46	12	+3	Skegness	5.6	+0.7	45	-	-	-	-		
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	64	17th	41	17, 22	59.1	43.5	50.9	-5.5	6	0.38	10	+2	Cromer	5.8	+0.9	47	-	-	-	-		
	Yarmouth	13	t	62	22nd	43	17, 21	59.6	45.6	52.3	-3.8	6	0.59	15	+6	Yarmouth	6.4	-	52	0	40	57.3	57.7		
	Norwich	93	a	63	17th	40	17th	58.7	43.4	50.7	-5.0	5	0.77	20	+10	Norwich	6.3	-	51	0	36	54.1	57.7		
	Geldeston	37	a	-	-	-	-	-	-	-	-	-	-	-	-	Geldeston	-	-	-	-	-	-	-		
Cambridge	Cambridge	41	p	62	22nd	38	17th	59.7	41.6	50.2	-5.6	6	1.09	28	+21	Cambridge	6.2	+1.3	50	1	30	55.2	57.5		
Hertford	Rothamsted	420	a	60	17th	38	17th	57.3	42.1	49.3	-5.4	4	0.82	21	+12	Rothamsted	6.2	+1.3	50	1	29	53.0	-0.8		
Middlesex	Tottenham	51	p	62	17th	41	17th	60.0	45.7	52.5	-	5	0.53	13	-	Tottenham	6.5	-	53	-	-	-	-		
Essex	Clacton-on-Sea	54	t	63	17th	45	16th	60.6	47.9	54.0	-2.6	6	0.96	24	+16	Clacton-on-Sea	7.0	+1.3	57	0	42	56.8	58.6		
	Southend	90	a	65	17th	43	19th	62.0	45.4	53.3	-	4	0.74	19	-	Southend	7.0	-	57	0	43	59.2	-0.2		
4. MIDLAND COUNTIES.																									
York	Harrogate	479	a	59	22nd	40	16, 20	55.3	42.1	48.4	-4.4	4	1.05	27	+16	Harrogate	4.9	+0.7	39	0	34	52.0	53.7		
W. Riding	Sheffield	429	p	59	22nd	40	16th	52.1	42.0	46.8	-4.3	7	2.98	76	+59	Sheffield	-	-	27	0	35	50.6	53.5		
Derby	Buxton	987	p	57	22nd	40	16th	52.1	42.0	46.8	-4.3	7	2.98	76	+59	Buxton	3.3	-	-	-	-	53.5	-1.0		
Nottingham	Worksop (Hods'ck P)	56	a	65	22nd	40	16th	60.9	43.7	51.9	-2.2	5	0.58	15	+7	Worksop	4.3	+0.5	35	1	30	53.5	54.8		
	Nottingham	82	t	61	22nd	39	16, 17	57.7	42.9	49.0	-4.6	7	0.74	19	+10	Nottingham	4.8	+0.8	39	0	34	52.5	55.7		
Warwick	Birmingham (Edg.)	525	t	60	22nd	39	16th	56.4	42.6	49.2	-5.3	7	1.23	31	+21	Birmingham	4.5	+1.0	37	0	35	50.1	52.6		
Northampton	Raunds	213	a	61	17, 18, 22	39	16th	59.7	48.4	51.2	-4.3	6	0.78	20	+11	Raunds	5.6	-	45	0	35	55.1	-0.7		
Oxford	Oxford	208	p	61	17th	40	17th	59.0	44.6	51.6	+3.9	5	0.62	16	+7	Oxford	5.3	+0.7	43	1	30	-	-		
Stafford	Cheadle	646	a	60	22nd	36	16th	56.0	40.4	47.8	-5.4	6	2.15	55	+42										

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 22nd, 1923.

DISTRICT COUNTY & STATION.	Height			Distribution of Wind. &c.								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.	hr.	hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	hr.	m.
Shetlands Lerwick ...	310	42	+	17	6	17 to 19	18	42	64	38	0	180	41	18	17	21	57	25	17	20	30
Orkneys **Deerness (Cup Anr.)	188	18	5	—	0	17	15	42	91	20	0	180	37	16	17	20	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	17	11	25	104	28	0	180	29	13	17	19	46	21	17	18	15
Edinburgh Edinburgh ...	485	39	31	—	0	17	8	91	64	5	0	170	30	13	17	17	47	21	17	14	40
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	17	6	39	106	17	0	180	28	12	17	17	48	21	17	12	30
Dumfries Eskdalemuir ...	825	50	22	—	0	17	1	73	77	17	0	170	25	11	17	9	43	19	17	11	50
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	17	1	46	96	25	0	180	27	12	17	15	47	21	17	16	10
York, E.R. Spurn Head ...	67	41	+	—	0	17, 20, 21	12	134	22	0	0	290	34	15	20	16	49	22	20	15	40
Lincoln Cranwell ...	280	43	31	—	0	17	3	102	(61)	(2)	0	180	27	12	17	13	35	16	20	14	40
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	+	—	0	17	5	33	123	7	0	170	30	13	17	15	41	18	17	14	55
Essex Shoeburyness...	103	90	+	—	0	—	0	88	51	1	28	200	24	11	17	14	46	20	20	15	45
5. ENGLAND, S.E.																					
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	15	125	28	0	180	16	7	17	12	29	13	17	11	50
Kent Lympne ...	409	70	+	—	0	18, 22	3	96	65	4	0	240	29	13	18	5	46	21	18	4	30
Surrey Croydon ...	284	40	24	—	0	—	0	31	125	2	0	200	18	8	17	12	34	15	18	14	30
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	50	114	2	2	280	19	9	20	14	36	16	20	13	0
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	20, 21	8	144	16	0	0	270	29	13	20	16	45	20	21	12	5
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	17, 20, 21	29	123	(16)	(0)	0	230	34	15	20	12	45	20	21	11	5
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	20	6	16 to 22	53	91	18	0	0	230	45	20	20	12	—	—	—	—	—
Lancashire Southport ...	80	62	48	20	7	16, 18 to 22	62	80	18	1	0	230	44	20	20	12	53	24	20	12	25
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	—	0	16 to 21	56	100	12	0	0	250	38	17	20	8	61	27	17	18	5
8b. ENGLAND, S.W.																					
Devon Plymouth	185	88	2	17	6	17	10	72	64	16	0	—	42	19	17	19	51	23	17	15	20
Cornwall Pendennis Castle ...	256	65	24	17	2	17, 20, 21	22	91	50	3	0	200	39	17	17	10	52	23	17	12	20
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	16 to 21	48	77	43	0	0	260	35	16	20	10	—	—	—	—	—
Clare Quilty ...	100	40	+	—	0	17 to 21	48	105	15	0	0	—	31	14	21	3	49	22	18	8	55
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	17, 20	9	119	40	0	0	190	32	15	17	7	55	25	17	6	25
Cork Weaver Pt. ...	160	30	+	17	1	17	10	56	99	2	0	—	39	17	17	9	57	25	17	12	40
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	21	1	17 to 22	37	76	4	0	0	270	39	17	21	2	57	25	20	23	45

‡Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
 †Direction from the Robinson Anemometer at Falmouth Observatory. *For Deerness the week ends at midnight on Friday.

**For Deermead the week ends at midnight on Friday.

†Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY-EIGHTH WEEK of 1923—September 16th to September 22nd, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		58	34	53.3	41.9	47.4	- 3.9	38	- 27			6	+ 2	1.60	41	+24	3.1	0.0	25	995
Eastern.																				
1. SCOTLAND, EAST ..		60	29	54.0	40.1	46.7	- 5.0	38	- 29	5	+4	6	+ 3	0.75	19	+ 6	3.6	- 0.2	29	996
2. ENGLAND, N.E. ..		63	37	56.6	42.8	49.4	- 4.4	52	- 31	0	0	5	+ 2	0.68	17	+ 8	4.6	+0.3	37	1002
3. ENGLAND, EAST ..		64	38	59.4	44.3	51.4	- 4.2	66	- 29	0	0	5	+ 2	0.71	18	+ 9	6.3	+1.4	51	1006
4. MIDLAND COUNTIES		65	36	57.8	43.2	50.2	- 4.1	57	- 29	0	- 1	6	+ 3	1.03	26	+16	4.7	+0.4	38	1005
5. ENGLAND, S.E. ..		64	32	60.2	45.1	52.3	- 4.2	72	- 29	0	0	6	+ 3	1.01	26	+16	6.8	+1.5	55	1007
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		60	32	54.8	43.3	48.8	- 4.1	48	- 28	0	0	7	+ 4	2.56	65	+45	—	—	—	999
7. ENGLAND, N.W. (and North Wales)		60	40	55.4	45.7	50.3	- 4.2	58	- 29	0	0	7	+ 4	1.58	40	+26	3.8	- 0.5	31	1002
8. ENGLAND, S.W. (and South Wales)		62	34	57.7	46.1	51.6	- 4.1	67	- 29	0	0	6	+ 3	1.61	41	+27	4.1	- 0.9	33	1007
9. IRELAND, NORTH ..		59	34	55.1	43.4	49.0	- 4.8	49	- 34	0	0	7	+ 3	1.89	48	+33	4.1	+0.2	33	1000
10. IRELAND, SOUTH ..		60	35	56.3	45.4	50.6	- 4.5	60	- 32	0	0	7	+ 3	1.43	37	+20	4.1	- 0.4	33	1005
11. CHANNEL ISLANDS (and Scilly)		65	40	60.7	50.1	55.1	- 3.7	92	- 26	0	0	6	+ 3	1.75	44	+32	5.2	- 1.2	43	1010
MEAN: DISTRICTS 1-10		65	29	56.7	43.9	50.0	- 4.4	57	- 30	1	0	6	+ 3	1.33	34	+21	4.7	+0.2	38	1003
THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, September 2nd to September 22nd, 1923.																				
0. SCOTLAND, NORTH ..		65	34	55.5	44.6	49.9	- 2.4	165	- 51	0	0	18	+ 5	4.31	109	+48	4.0	+ 0.4	31	1004
Eastern.																				
1. SCOTLAND, EAST ..		70	27	57.0	43.6	50.0	- 2.8	172	- 56	5	+4	13	+ 3	1.74	44	+ 8	4.7	+ 0.5	36	1006
2. ENGLAND, N.E. ..		71	34	60.6	46.3	53.2	- 1.7	234	- 39	0	0	10	+ 2	1.49	38	+11	5.5	+ 0.8	42	1012
3. ENGLAND, EAST ..		74	36	63.8	46.6	54.8	- 1.9	269	- 41	0	0	9	+ 1	1.12	29	- 1	6.6	+ 1.4	51	1014
4. MIDLAND COUNTIES		74	33	62.4	45.6	53.6	- 2.0	243	- 42	0	- 1	10	+ 2	1.78	45	+15	5.5	+ 0.9	43	1014
5. ENGLAND, S.E. ..		75	32	64.7	47.3	55.6	- 2.1	285	- 44	0	0	10	+ 2	1.61	42	+ 9	7.2	+ 1.6	56	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		67	30	57.3	45.4	51.1	- 2.7	191	- 58	0	0	17	+ 7	4.87	124	+66	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		69	34	58.8	47.9	53.1	- 2.4	233	- 49	0	0	15	+ 5	2.91	74	+31	5.2	+ 0.5	40	1012
8. ENGLAND, S.W. (and South Wales)		73	29	61.4	48.0	54.4	- 2.3	260	- 49	0	0	11	+ 1	2.45	62	+19	5.7	+ 0.5	44	1016
9. IRELAND, NORTH ..		68	34	58.2	46.0	51.9	- 2.6	208	- 56	0	0	16	+ 4	3.34	85	+39	4.0	0.0	31	1010
10. IRELAND, SOUTH ..		71	35	59.8	47.3	53.3	- 2.6	237	- 55	0	0	14	+ 3	2.47	63	+16	5.0	+ 0.3	39	1014
11. CHANNEL ISLANDS (and Scilly)		74	40	63.1	51.6	57.1	- 2.6	318	- 53	0	0	11	+ 2	2.64	65	+28	6.2	- 0.2	48	1017
MEAN: DISTRICTS 1-10..		75	27	60.4	46.4	53.1	- 2.3	233	- 49	1	0	13	+ 3	2.38	61	+21	5.5	+ 0.7	42	1012
THE YEAR. Aggregates, &c., for the Period of 38 Weeks, December 31st, 1922, to September 22nd, 1923.																				
0. SCOTLAND, NORTH ..		80	24	52.1	41.8	46.7	+0.2	1574	-150	317	-199	182	+ 8	37.83	960	+107	3.5	- 0.1	26	1009
Eastern.																				
1. SCOTLAND, EAST ..		82	20	53.0	40.9	46.7	- 0.3	1668	-256	424	-161	164	+16	23.41	599	+62	3.7	- 0.6	27	1010
2. ENGLAND, N.E. ..		91	25	55.2	43.2	48.9	+0.3	2137	- 75	294	-156	137	+ 5	17.46	447	+18	4.3	- 0.3	32	1013
3. ENGLAND, EAST ..		94	23	57.7	44.3	50.7	+0.9	2555	+15	234	-233	124	- 4	14.93	377	- 32	4.9	- 0.1	37	1014
4. MIDLAND COUNTIES		95	22	57.2	43.3	50.0	+0.6	2397	- 72	280	-215	139	+12	21.26	540	+81	4.0	- 0.5	30	1014
5. ENGLAND, S.E. ..		93	22	58.3	44.9	51.3	+0.5	2665	- 35	183	-174	124	0	18.14	463	+21	5.1	- 0.1	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.4	42.6	48.3	- 0.2	1948	-168	279	-111	172	+17	37.45	948	+160	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		89	24	55.1	44.6	49.6	+0.2	2210	-103	185	-175	160	+20	25.61	651	+58	4.1	- 0.5	31	1013
8. ENGLAND, S.W. (and South Wales)		93	24	56.9	45.4	50.9	+0.4	2502	- 45	133	-151	143	+ 4	26.50	672	+43	4.5	- 0.5	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 0.3	27	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly)		90	32	58.1	48.5	53.1	+0.4	2959	+10	3	- 97	149	+ 7	22.44	570	+62	5.3	- 0.7	40	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.
 PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Forty-Sixth Year. } No. 39.
 Vol. XL. (New Series)

THIRTY-NINTH WEEK.
 SUNDAY, SEPTEMBER 23RD, TO SATURDAY, SEPTEMBER 29TH, 1923.

Price 9d. Net, Post free 9½d.
 Annual Subscription
 (including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather during the early part of the week was of a very unsettled character. Rain fell in most parts and in several places thunderstorms and hail were experienced. The day temperatures were low for the time of year and in many places the maxima failed to reach 60°F., in fact, at one or two of our extreme northern stations the temperature on the 24th did not rise above 50°F. During the latter half of the week the weather over the southern parts of the British Isles was influenced by a large anticyclone situated over France and the weather was fair generally, with a very decided increase in temperature. The maximum temperatures of the 29th were in many parts of the country between 10°F. and 15°F. higher than those registered at the beginning of the week, and in a few places the difference was nearly 20°F. The highest of the maximum temperatures, 77°F., were recorded at South Farnborough and at Tenbury (Worcester). The last two nights of the week were exceptionally warm, the minima in some places being round about 60°F. The lowest temperatures were registered either on the 23rd or

24th in most places. A screen minimum reading of 30°F. was recorded at Ford (Argyll) and 31°F. at Balmoral and Renfrew, while ground frosts occurred in several parts of the country. The mean temperature for the week was above the normal in all Districts with the exception of the Channel Islands District where it was about normal. Among the largest amounts of rainfall were 31mm. at Cahirciveen (Valencia Obs.) and Killarney, 25mm. at Waterford and Dumfries on the 24th, 29mm. at Mallarany (Mayo) and 28mm. at Rothesay (Bute) on the 26th, and 37mm. at Mallarany, 36mm. at Achnashellach (Ross-shire), 34mm. at Onich (Inverness) and Eskdalemuir, 30mm. at Ford (Argyll) and 28mm. at Blacksod Point on the 27th. The departure of the mean daily duration of sunshine from the normal for the week ranged from +1.7 hours at Cromer to -3.2 hours at Aberystwyth. A double rainbow was seen at Marchmont (Berwick) and at Seskin, Carrick-on-Suir, on the 23rd, and a lunar rainbow was observed at Ross-on-Wye on the 25th. Solar and lunar halos were observed on various dates in several places.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Seilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	11	6.2	15	10.4	16	9.3	23	9.4	23	15.6	20	9.4	24	11.5	21	16.7
North	10	5.3	3	4.1	0	—	0	—	4	5.2	5	10.4	2	6.2	5	9.4
West	11	7.3	18	13.6	19	6.2	21	5.2	22	10.4	21	17.6	18	13.6	11	17.6
East	11	10.4	2	6.2	0	—	2	3.1	3	9.3	6	6.2	8	4.1	13	4.1
Calm (or wind- speed < 4 m.p.h.)	4	—	7	—	8	—	5	—	0	—	0	—	0	—	2	—
No record	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Seilly).
Comparison with the normal for the time of year	Warmth	.. Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall	.. Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate
	Sunshine	.. Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	—	Scanty	Very Scanty	Very Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 4 weeks from Sept. 2nd, 1923.	Warmth	..	0, 2, 2	0, 2, 2	1, 2, 1	2, 0, 2	1, 2, 1	1, 1, 2	0, 1, 3	1, 1, 2	0, 2, 2	1, 0, 3	1, 1, 2	0, 2, 2
	Rainfall	..	3, 1, 0	3, 1, 0	2, 2, 0	1, 2, 1	1, 2, 1	1, 2, 1	3, 1, 0	1, 3, 0	1, 2, 1	2, 2, 0	2, 2, 0	1, 3, 0
	Sunshine	..	2, 3, 0	2, 2, 0	1, 3, 0	2, 2, 0	1, 3, 0	4, 0, 0	—	1, 2, 1	1, 2, 1	1, 1, 2	1, 2, 1	0, 4, 0

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.								
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground	Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																										
Shetlands	Lerwick	54	t	57	26th	39	25th	53.0	45.4	49.0	- 0.1	7	1.07	27	+ 7	Lerwick	..	4.7	..	39	..	..	..	..	..	
Orkneys	Deerness	160	p	56	27th	41	24th	52.6	46.0	49.1	- 0.6	7	1.81	46	+26	Deerness	..	3.0	0.0	25	..	..	..	..	..	
Hebrides	Stornoway	51	p	59	26th	37	24th	55.4	45.4	50.2	+0.2	7	0.95	24	- 3	Stornoway	..	3.5	+0.1	30	..	..	..	..	..	
	Castlebay	37	t	57	25th	44	24th	54.9	49.4	52.0	..	6	1.14	29	..	Castlebay	..	..	..	..	..	..	..	..		
Caithness	Wick	31	t	58	28th	44	24th	54.9	45.9	50.2	+0.2	6	1.01	26	+10	..	..	..	..	..	..	..	..	..		
Ross and Cromarty	Strathpeffer	125	a	62	28th	36	23rd	57.6	44.6	50.8	+0.5	5	0.24	6	- 8	..	..	..	..	..	..	..	..	..		
Inverness	Achnashellach	225	p	59	26th	32	23rd	56.3	44.1	49.9	..	5	2.30	58	..	Achnashellach	..	..	..	3	21	..	..	..	..	
	Inverness	242	h	61	26th	35	23rd	57.3	44.9	50.8	..	5	0.45	11	..	Inverness	..	4.3	..	37	1	30	..	..	..	
	Fort Augustus	68	a	63	29th	34	23rd	59.3	44.4	51.5	+1.0	5	0.67	17	- 5	..	..	..	..	..	..	..	..	..		
	Onich	48	h	59	26, 28	38	24th	57.6	47.1	52.1	..	6	2.17	55	..	Onich	..	2.5	..	21	1	29	..	..	..	
1. SCOTLAND, E.																										
Nairn	Nairn	82	t	60	26, 27	38	23rd	57.3	44.7	50.7	+0.4	6	0.65	17	+ 4	Nairn	..	3.5	..	30	..	..	..	..	..	
Elgin	Gordon Castle	101	p	62	27th	35	23rd	58.9	45.1	51.7	+0.7	6	0.99	25	+ 9	Gordon Castle	..	4.1	..	35	..	..	..	..	..	
Aberdeen	Aberdeen	46	h	63	28, 29	37	23rd	57.9	47.0	52.2	..	5	1.07	27	+13	Aberdeen	..	3.3	-0.2	28	1	30	..	..	..	
	Balmoral	930	a	64	29th	31	23rd	57.3	40.4	48.4	+0.8	6	0.44	11	- 5	Balmoral	..	..	..	4	27	..	..	51.1	-0.9	
Perth	Crieff	478	p	63	26th	36	24th	58.0	44.1	50.7	- 0.4	5	1.34	34	+16	(Kinc.) Crathes	..	3.7	+0.4	32	2	27	49.2	..	..	
Forfar	Dundee	147	a	65	28th	42	23, 24	61.3	46.6	53.7	..	5	0.79	20	..	Dundee	..	2.8	..	23	0	38	51.7	..	..	
Pife	Inchkeith	190	t	59	27th	45	24th	56.7	50.3	53.4	..	4	0.56	14	..	Inchkeith	..	3.0	..	25	0	39	..	..	..	
Midlothian	Edinburgh	441	p	61	29th	43	24th	58.7	47.1	52.6	+1.3	6	0.45	11	- 1	Edinburgh	..	2.9	-0.6	25	0	36	..	..	..	
Peebles	West Linton	7.0	a	64	29th	33	24th	58.6	42.7	50.3	+2.4	7	1.35	34	..	West Linton	..	..	..	0	31	..	..	..	..	
Berwick	Marchmont	498	a	61	26, 29	38	23rd	59.3	46.0	52.2	+2.0	5	0.87	22	+ 6	Marchmont	..	3.6	+0.3	31	..	..	..	..	..	
6a. SCOTLAND, W.																										
Argyle	Ford	149	a	62	29th	30	24th	57.0	44.6	50.5	..	5	2.62	67	..	Ford	..	..	..	0	31	52.2	..	54.0	..	
Renfrew	Renfrew	49	t	60	26, 28	31	24th	58.2	46.3	52.0	..	6	1.45	37	..	Renfrew	..	2.2	..	18	1	24	..	..	..	
Bute	Rothsay	200	p	59	29th	42	24th	56.3	47.9	51.9	- 0.2	7	2.71	69	+42	Rothsay	..	2.5	..	21	0	35	52.3	..	53.0	-0.2
Ayr	Kilmarnock	90	a	65	29th	38	24th	61.0	48.3	54.4	+3.5	5	1.59	40	+19	Kilmarnock	..	2.6	..	22	..	..	53.0	..	..	
	Colmonell	170	a	66	29th	36	24th	60.3	48.1	53.9	+2.1	5	1.55	39	+15	Colmonell	..	..	..	..	32	..	..	..	..	
Dumfries	Dumfries	140	p	62	29th	40	28, 24	58.4	47.6	52.7	+0.6	6	1.87	48	+29	Dumfries	..	2.5	..	21	0	32	52.8	-0.3	53.0	-2.2
	Eskdalemuir	794	t	59	28th	36	24th	55.7	44.4	49.8	..	6	2.88	73	..	Eskdalemuir	..	2.4	..	20	0	33	..	..	..	
6b. ISLE OF MAN.																										
I. of Man	Douglas	284	h	65	29th	44	23rd	59.9	49.9	54.7	+1.9	7	1.00	25	+ 1	Douglas	..	3.6	-0.5	30	0	39	..	..	..	
2. ENGLAND, N.E.																										
North-berland	Cockle Park	324	p	62	27, 28, 29	37	23rd	60.1	45.6	52.5	+2.1	4	0.40	10	- 5	Cockle Park	..	4.3	+0.3	36	0	34	50.2	-0.5	50.6	-1.5
	Tynemouth	118	t	64	28th	43	23rd	59.6	50.4	54.8	+2.5	2	0.31	8	- 5	Tynemouth	..	..	..	0	39	..	..	..	..	
Durham	Durham	336	p	67	29th	38	23rd	60.4	47.3	53.5	+1.8	2	0.34	9	- 4	Durham	..	4.1	+0.5	34	0	31	..	..	..	
York	Rounton	249	p	68	29th	39	23, 24	61.4	46.0	53.3	+1.9	3	0.55	14	+ 2	Rounton	..	..	..	..	26	53.0	..	..	..	
N. Riding	West Witton	605	a	67	29th	38	24th	60.0	46.9	53.6	..	4	1.03	26	..	West Witton	..	..	..	..	30	50.3	..	51.5	..	
	Scarborough	118	h	68	28th	43	23rd	63.7	49.6	56.3	+2.7	3	0.36	9	- 4	Scarborough	..	4.4	+0.3	37	1	30	..	54.5	..	
	York	56	p	67	28, 29	40	23rd	62.4	47.9	54.8	+1.7	2	0.39	10	- 1	York	..	3.2	-0.5	27	..	..	53.3	-1.7	54.5	-1.1
E. Riding	Spurn Head	26	t	65	29th	46	23rd	60.1	49.1	54.3	- 0.2	3	1.07	27	+17	Spurn Head	..	4.5	..	38	..	..	..	..	..	
Lincoln	Lincoln	58	a	71	29th	41	24th	63.4	47.7	55.2	+1.6	3	0.61	15	+ 4	Lincoln	..	..	..	..	38	53.0	-1.7	54.8	-1.2	
	Cranwell	237	t	72	29th	42	24th	63.1	46.4	54.4	+0.7	3	0.52	13	+ 2	Cranwell	..	5.5	+1.0	46	0	38	..	..	..	
	Skewness	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Skewness	..	5.0	+0.3	42	..	..	..	..	..	
3. ENGLAND, E.																										
Norfolk	Cromer	196	a	68	28, 29	43	23rd	63.7	48.4	55.7	+1.0	2	0.29	7	- 6	Cromer	..	6.4	+1.7	54	..	..	..	..	..	
	Yarmouth	13	t	71	29th	45	23, 24	64.6	49.3	56.6	+2.1	3	0.35	9	- 6	Yarmouth	..	6.5	..	64	0	41	55.7	-1.1	56.3	-1.7
	Norwich	93	a	69	29th	43	24th	63.1	48.3	55.3	+1.3	3	0.46	12	- 4	Norwich	..	5.7	..	48	0	39	53.9	..	..	
	Geldeston	37	a	73	29th	44	23rd	65.5	50.4	57.6	+3.4	4	0.41	11	- 3	Geldeston	..	5.9	+1.0	49	..	..	..	..	..	
Cambridge	Cambridge	41	p	72	29th	44	23, 24, 27	65.1	47.4	55.8	+1.8	3	0.33	8	- 4	Cambridge	..	4.8	+0.1	41	0	36	55.4	-0.9	56.4	-1.2
Hertford	Rothamsted	420	a	71	29th	42	23rd	62.7	48.4	55.2	+2.2	3	0.81	21	+ 6	Rothamsted	..	4.4	-0.2	38	0	33	53.0	..	..	..
Middlesex	Tottenham	51	p	71	29th	46	23, 24	64.0	51.1	57.7	..	3	0.23	6	..	Tottenham	..	4.2	..	36	..	..	..	..	..	
Essex	Clacton-on-Sea	54	t	70	28th	46	24th	63.3	50.9	56.8	+1.8	4	0.15	4	- 7	Clacton-on-Sea	..	5.6	+0.2	47	0	44	56.0	-1.0	57.2	-1.0
	Southend	90	h	73	29th	43	24th	65.4	48.9	56.8	..	2	0.12	3	..	Southend	..	4.9	..	41	0	42	57.1	..	..	..
4. MIDLAND COUNTIES.																										
York	Harrogate	479	h	67	29th	39	23rd	60.1	46.6	53.0	+1.7	2	0.52	13	- 1	Harrogate	..	3.3	-0.7	27	1	30	51.5	-1.3	52.6	-0.9
W. Riding	Sheffield	429	p	..	..	..	..	..	..	..	..	..	..	..	..	Sheffield	..	..	..	..	..	..	..	..	..	
Derby	Buxton	987	p	70	29th	40	23rd	58.6	46.3	52.2	+2.6	5	1.32	33	+14	Buxton	..	2.6	..	22	0	36	50.5	-1.7	52.3	-1.6
Nottingham	Workshop (Hods) ckP	56	a	72	29th	39	24th	64.3	46.9	55.2	+2.6	2	0.71	18	+ 7	Workshop	..	3.0	-0.6	23	1	29	53.1	..	53.8	..
	Nottingham	82	t	72	29th	42	23rd	63.0	48.0	55.1	+2.2	3	0.35	9	- 1	Nottingham	..	3.4	-0.4	28	0	38	52.6	-1.2	54.3	-1.7
Warwick	Birmingham (Edg.)	525	t	71	29th	42	23rd	62.3	47.9	54.8	+1.9	4	0.69	18	+ 6	Birmingham	..	2.3	-1.0	19	0	38	51.0	-1.4	52.0	-1.0
Northampton	Raunds	213	a	72	29th	42	24th	64.6																		

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week				Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.	mm.						Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.									*F.		*F.		*F.		*F.	
Cardigan	Aberystwyth ...	16	h	66	29th	45	23rd	59.4	52.9	56.0	—	5	0.45	11	—	Aberystwyth	1.0	- 3.2	9	—	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	60	29th	49	23rd	57.6	53.7	55.6	+0.6	4	0.48	12	- 8	St. Ann's Hd.	1.2	- 2.9	11	—	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	68	29th	41	23rd	59.7	48.4	53.8	—	7	1.81	46	—	Rhayader ..	2.2	—	18	0	32	—	—	—	—	
Glamorgan	Cardiff	202	p	70	29th	44	24th	61.1	50.4	55.5	+1.7	4	0.92	23	0	Cardiff ..	2.3	—	28	0	38	54.6	-1.3	55.7	-1.4	
8b. ENGLAND, S.W.																										
Somerset	Bath	66	h	75	29th	45	24th	63.4	50.4	56.6	+2.4	4	0.53	13	- 2	Bath	3.6	- 0.6	31	—	—	56.0	—	57.3	—	
Dorset	Shaftesbury ...	722	a	70	29th	42	23rd	62.3	46.4	54.0	+0.5	3	0.35	9	- 9	Shaftesbury ..	—	—	—	—	—	—	—	55.0	—	
Devon	Portland Bill ...	19	t	66	29th	52	23rd	61.1	55.4	58.1	+1.6	2	0.35	9	- 6	Weymouth ..	5.7	—	48	—	—	—	—	—	—	
	Arlington	613	a	63	27, 29	43	24th	59.1	48.5	53.6	+0.4	6	0.97	25	- 5	Cullompton ...	3.4	- 0.5	28	0	35	55.3	—	—	—	
	Cullompton	202	a	71	29th	40	24th	64.3	47.9	55.7	+1.7	3	0.73	19	+ 1	Plymouth ..	3.1	- 1.4	26	0	40	56.3	-0.9	57.2	—	
Plymouth...		116	p	67	29th	46	24th	62.1	52.3	57.0	+1.4	4	0.60	15	- 3											
Cornwall	Newquay	190	h	65	29th	43	23rd	60.9	51.9	56.2	+0.3	4	0.59	15	- 5	Newquay ..	2.8	- 1.7	23	—	—	55.8	—	56.5	—	
	Falmouth... ..	167	h	66	29th	46	24th	61.1	50.7	55.7	+0.2	2	0.61	16	- 6	Falmouth ..	3.2	- 1.3	27	0	43	57.3	—	58.6	—	
9. IRELAND, N.																										
Donegal	Malin Head ...	71	t	63	29th	43	24th	57.7	49.6	53.5	+0.4	7	0.98	25	+ 6	Malin Head ..	1.5	—	13	—	—	—	—	—	—	
Mayo	Blackod Point ...	10	t	61	29th	36	24th	58.1	46.9	52.2	-1.8	7	3.06	78	+49											
Sligo	Mallary	120	a	65	29th	44	24th	58.9	50.1	54.3	—	6	3.91	99	—	Mallary ...	2.5	—	21	—	—	—	—	—	—	
	Markree Castle ...	122	p	70	29th	37	24th	60.1	47.6	53.6	+1.9	6	1.82	46	+22	Markree Castle	2.2	-1.0	18	0	32	53.6	-2.0	54.3	-1.4	
Armagh	Armagh	204	p	69	29th	40	24th	60.0	48.1	53.8	+1.7	6	1.07	27	+10	Armagh ..	1.6	-1.7	14	0	36	53.1	-1.8	53.5	-1.8	
Down	Donaghadee ...	35	t	69	29th	42	23, 24, 25	60.1	48.3	53.9	+0.8	7	1.07	27	+10											
10. IRELAND, S.																										
Dublin	Dublin City ...	54	p	72	29th	42	24th	61.6	50.4	55.7	+1.6	4	0.41	10	- 3	Trinity Coll.	—	—	—	0	33	53.9	-1.8	54.3	-1.6	
King's County	Birr Castle ...	175	t	71	29th	38	24th	61.4	48.3	54.5	+2.2	7	0.75	19	+ 4	Phoenix Park	3.0	-1.0	25	0	33	—	—	—	—	
Kilkenny	Kilkenny	195	a	73	29th	34	24th	62.3	47.4	54.5	+1.6	6	0.59	15	- 1	Dublin City ..	—	—	—	0	36	—	—	—	—	
Waterford	Waterford	137	a	69	29th	39	24th	60.4	50.1	55.0	+1.3	4	1.21	31	+12	Birr Castle ...	2.8	-0.8	24	1	29	—	—	—	—	
	Seskin, Carrick-on-Suir	542	p	72	29th	39	24th	60.1	48.9	54.2	—	4	1.28	33	—	Seskin ..	2.7	—	23	1	29	—	—	—	—	
Limerick	Foynes	50	a	73	29th	43	24th	61.6	49.6	55.3	+1.4	6	0.79	20	+ 1											
Kerry	Cahiriveen (Val.O.)	30	t	65	29th	43	24th	58.6	52.0	55.1	+0.2	6	1.76	45	+17	Cahiriveen	2.0	-1.9	17	0	40	—	—	—	—	
Cork	Killarney	174	a	68	29th	43	24th	60.6	49.4	54.7	+0.3	6	1.75	44	+19	(Valencia O.)										
	Roche's Point ...	32	t	59	28th	42	24th	57.0	51.1	53.9	-1.0	6	1.03	26	+ 6	Ballinacurra	3.4	-0.4	28	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	131	t	65	29th	49	23rd	60.1	53.4	56.6	-0.4	2	0.76	19	0	St. Mary's ..	3.7	-1.0	31	—	—	—	—	—	—	
Guernsey	Grange	173	p	69	29th	48	28th	64.3	52.3	58.0	-0.1	2	0.41	10	-11	Grange ..	6.1	+0.9	51	0	44	57.8	-1.4	59.3	-1.1	
Jersey	St. Aubins	25	t	71	29th	47	28th	64.9	52.6	58.5	+0.4	2	0.32	8	-12	St. Heliers ..	6.2	+1.1	52	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, September 29th, 1923.

DISTRICT COUNTY & STATION.	Height			Distribution of Wind. ††								Extreme Velocities.							
	Above Mean Sea Level	Above Ground	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.				
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed	Time.			
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d. hr.	m.p.h	m/s	d. hr.	m. p.
Shetlands Lerwick ...	310	42	+	—	0	25, 28, 29	26	70	56	16	0	90	34	15	25 18	48	21	25 17	35
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	25	3	42	99	24	0	100	25	11	25 8	—	—	—	—
1. SCOTLAND, E.																			
Aberdeen Aberdeen ...	72	42	+	—	0	25	4	27	116	21	0	130	26	11	25 8	37	17	25 7	30
Edinburgh Edinburgh ...	485	39	31	—	0	27, 28	18	52	65	33	0	210	37	17	27 14	61	27	27 13	50
6a. SCOTLAND, W.																			
Renfrew Paisley ...	188	81	15	—	0	28	1	28	101	38	0	280	25	11	28 6	53	24	28 6	25
Dumfries Eskdalemuir ...	825	50	22	28	2	27, 28	21	60	53	31	1	230	44	19	28 3	59	26	28 3	30
2. ENGLAND, N.E.																			
Durham South Shields... ...	72	81	12	—	0	—	0	64	64	40	0	130	24	11	25 4	43	19	27 23	30
York, E.R. Spurn Head ...	67	41	+	—	0	25, 26, 28	15	68	78	7	0	150	32	14	25 4	45	20	25 4	40
Lincoln Cranwell ...	280	43	31	—	0	25	5	56	77	30	0	210	27	12	25 14	35	16	25 13	40
3. ENGLAND, E.																			
Norfolk Gorleston ...	52	42	+	—	0	24, 25	6	28	95	39	0	180	33	15	25 4	45	20	25 14	20
Essex Shoeburyness... ...	103	90	+	—	0	25	8	35	70	25	30	200	33	15	25 3	48	21	25 3	15
5. ENGLAND, S.E.																			
Surrey Richmond (Kew Obs.)... ...	82	65	22	—	0	—	0	24	79	65	0	215	18	8	25 14	36	16	23 14	15
Kent Lympne ...	409	70	+	—	0	23, 25	16	54	94	4	0	240	33	15	25 14	51	23	25 2	45
Hampshire Croydon ...	284	40	24	—	0	—	0	34	112	22	0	230	22	10	25 12	40	18	25 11	50
Hampshire Petersfield (Stoner Hill)... ...	811	42	+	—	0	—	0	37	110	21	0	230	24	11	25 12	40	18	25 2	15
Hampshire S. Farnboro' (Pye's Tr.)... ...	444	160	—	—	0	23, 25, 26	21	82	61	4	0	170	30	13	25 2	45	20	25 11	15
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	23 to 25	25	81	62	0	0	180	33	15	25 1	44	20	25 0	35
7a. ENGLAND, N.W.																			
Lancashire Fleetwood (Cup Anr.)... ...	109	44	—	—	0	24 to 26	15	63	87	3	0	240	34	15	25 21	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	25, 26	16	71	77	4	0	260	36	16	25 21	47	21	25 21	30
7b. NORTH WALES.																			
Anglesey Holyhead ...	64	45	+	—	0	24, 25, 27	24	108	32	4	0	140	35	16	24 23	53	24	24 23	20
8b. ENGLAND, S.W.																			
Devon Plymouth ...	185	88	2	—	0	23, 24, 25	6	41	69	36	16	—	—	—	—	—	—	—	—
Cornwall Pendennis Castle... ...	256	65	24	24	2	23, 24, 25	36	53	43	34	0	200	42	19	24 21	54	24	24 20	40
10. IRELAND, S.																			
Dublin Kingstown (Cup Anr.)... ...	49	27	—	—	0	24 to 28	25	76	63	4	0	250	32	14	25 19	—	—	—	—
Clare Quilty... ...	100	40	+	—	0	23 to 25, 27	45	768	746	9	0	—	38	17	25 14	53	24	25 14	5
Kerry Cahirciveen (Val. Obs.)... ...	98	41	+	25	1	23 to 25, 27	42	92	22	10	0	250	39	17	25 9	59	27	24 14	5
Cork Weaver Pt. ...	160	30	+	—	0	24, 25, 27	27	69	50	22	0	—	37	17	24 18	61	27	25 11	15
11a. SCILLY ISLES.																			
Scilly St. Mary's ...	150	32	+	23	6	23 to 26	50	57	52	3	0	280	42	19	23 6	56	25	23 7	55

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		THIRTY-NINTH WEEK of 1923—September 23rd to September 29th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal									Below 42°
0. SCOTLAND, NORTH ..		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
Eastern.		63	32	56.3	45.3	50.5	+0.4	59	+ 1	0	- 2	5	0	1.20	30	+ 4	3.6	+0.5	31	1007
1. SCOTLAND, EAST ..		64	31	58.0	45.0	51.2	+0.7	64	+ 3	0	- 2	5	+ 1	0.91	23	+ 8	3.3	- 0.1	28	1008
2. ENGLAND, N.E. ..		72	37	61.6	47.9	54.4	+1.6	87	+11	0	0	3	- 1	0.51	13	+ 1	4.4	+0.3	37	1013
3. ENGLAND, EAST ..		73	42	64.1	49.3	56.3	+2.3	100	+16	0	0	3	0	0.38	10	- 4	5.4	+0.7	45	1016
4. MIDLAND COUNTIES ..		77	39	62.7	47.8	54.9	+2.1	90	+13	0	- 1	3	0	0.58	15	+ 2	3.0	- 1.1	25	1015
5. ENGLAND, S.E. ..		74	38	64.4	50.0	56.9	+1.7	104	+12	0	0	3	0	0.41	10	- 5	5.6	+0.7	47	1017
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		66	30	58.7	47.5	52.9	+1.0	76	+ 6	0	- 1	6	+ 2	1.83	46	+20	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		72	41	60.4	49.7	54.8	+1.5	90	+11	0	0	5	+ 1	0.77	20	0	2.8	- 1.0	24	1012
8. ENGLAND, S.W. (and South Wales)		75	40	61.2	50.4	55.6	+1.1	95	+ 7	0	0	4	0	0.73	19	- 2	2.6	- 1.6	22	1015
9. IRELAND, NORTH ..		71	36	59.6	48.1	53.6	+1.1	81	+ 8	0	0	7	+ 2	1.46	37	+15	1.9	- 1.4	16	1008
10. IRELAND, SOUTH ..		73	34	60.4	49.8	54.8	+0.9	90	+ 7	0	0	6	+ 2	1.04	26	+ 7	2.8	- 1.1	23	1012
11. CHANNEL ISLANDS (and Scilly)		71	47	63.1	52.8	57.7	0.0	110	0	0	0	2	- 2	0.50	12	- 7	5.3	+0.3	45	1018
MEAN: DISTRICTS 1-10		77	30	61.1	48.5	54.5	+1.4	88	+ 9	0	0	5	+ 1	0.86	22	+ 4	3.5	- 0.5	30	1013
THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, September 2nd to September 29th, 1923.																				
0. SCOTLAND, NORTH ..		65	32	55.7	44.8	50.0	- 1.7	224	- 50	0	- 2	23	+ 5	5.51	139	+52	3.9	+ 0.4	31	1005
Eastern.																				
1. SCOTLAND, EAST ..		70	27	57.3	44.0	50.3	- 1.9	236	- 53	5	+2	18	+ 4	2.65	67	+16	4.4	+ 0.4	34	1007
2. ENGLAND, N.E. ..		72	34	60.9	46.7	53.5	- 0.9	321	- 28	0	0	13	+ 1	2.00	51	+12	5.2	+ 0.6	41	1012
3. ENGLAND, EAST ..		74	36	63.9	47.3	55.2	- 0.9	369	- 25	0	0	12	+ 1	1.50	39	- 5	6.3	+ 1.2	50	1015
4. MIDLAND COUNTIES ..		77	31	62.5	46.2	53.9	- 1.0	333	- 29	0	- 2	13	+ 2	2.31	59	+16	4.9	+ 0.4	39	1014
5. ENGLAND, S.E. ..		75	32	64.6	47.9	55.9	- 1.2	389	- 32	0	0	13	+ 2	2.02	52	+ 4	6.8	+ 1.4	54	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		67	30	57.7	45.9	51.5	- 1.8	267	- 52	0	- 1	23	+ 9	6.70	170	+86	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		72	34	59.2	48.3	53.5	- 1.4	323	- 38	0	0	20	+ 6	3.68	94	+31	4.6	+ 0.1	36	1012
8. ENGLAND, S.W. (and South Wales)		75	29	61.3	48.6	54.7	- 1.4	355	- 42	0	0	15	+ 1	3.18	81	+17	4.9	0.0	39	1015
9. IRELAND, NORTH ..		71	34	58.6	46.5	52.3	- 1.7	289	- 48	0	0	23	+ 6	4.80	122	+54	3.5	- 0.4	27	1009
10. IRELAND, SOUTH ..		73	34	60.0	47.9	53.7	- 1.7	327	- 48	0	0	20	+ 5	3.71	93	+27	4.4	- 0.1	35	1014
11. CHANNEL ISLANDS (and Scilly)		74	40	63.1	51.9	57.3	- 1.9	428	- 53	0	0	13	0	3.04	77	+21	6.0	- 0.1	48	1017
MEAN: DISTRICTS 1-10..		77	27	60.6	46.9	53.5	- 1.4	321	- 39	1	0	17	+ 4	3.25	83	+26	5.0	+ 0.4	39	1012
THE YEAR. Aggregates, &c., for the Period of 39 Weeks, December 31st, 1922, to September 29th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	52.2	41.9	46.8	+0.2	1633	-149	317	-201	187	+ 8	39.03	990	+111	3.5	- 0.1	26	1009
Eastern.																				
1. SCOTLAND, EAST ..		82	20	53.1	41.0	46.8	- 0.3	1732	-253	424	-163	169	+17	24.32	622	+70	3.7	- 0.5	27	1010
2. ENGLAND, N.E. ..		91	25	55.4	43.3	49.1	+0.4	2224	- 64	294	-156	140	+ 4	17.97	460	+19	4.3	- 0.3	32	1013
3. ENGLAND, EAST ..		94	23	57.9	44.4	50.9	+1.0	2655	+31	234	-233	127	- 4	15.31	387	- 36	4.9	- 0.1	37	1014
4. MIDLAND COUNTIES ..		95	22	57.4	43.4	50.1	+0.6	2487	- 59	280	-216	142	+12	21.77	554	+82	3.9	- 0.6	30	1014
5. ENGLAND, S.E. ..		93	22	58.5	45.1	51.5	+0.5	2769	- 23	183	-174	127	0	18.55	473	+16	5.1	- 0.1	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.5	42.8	48.4	- 0.1	2024	-162	279	-112	178	+19	39.28	994	+180	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		89	24	55.2	44.7	49.7	+0.2	2300	- 92	185	-175	165	+21	26.38	671	+58	4.0	- 0.5	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	57.0	45.6	51.0	+0.4	2597	- 38	133	-151	147	+ 4	27.23	691	+41	4.5	- 0.5	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.4	27	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly)		90	32	58.2	48.6	53.2	+0.4	3069	+10	3	- 97	151	+ 5	22.94	582	+55	5.3	- 0.6	40	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-sixth Year. } No. 40.
Vol. XL. (New Series) }

FORTIETH WEEK.

SUNDAY, SEPTEMBER 30TH, TO SATURDAY, OCTOBER 6TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The week opened with fair and quiet weather over England, with much local mist and fog. Subsequently the conditions deteriorated and the 2nd and 3rd were days of low temperature and considerable rainfall generally. Gales were experienced on the 3rd, notably in the south. On that date many large trees were uprooted at Arlington Court (Devon). On the 4th a general improvement took place, notably in England and much sunshine was enjoyed. The last two days of the week were unsettled. No thunder or hail was recorded. The total amount of rainfall for the week was above normal in England south-east, but was below normal in most other Districts. The 3rd was a day of heavy rainfall in England south-east and many falls of 18mm. and over were registered, the largest being 37mm. at St. Leonards, 23 mm. at Kew, Folkestone and Wisley (Surrey), 22mm. at Camden Square and Shoburness. The largest fall occurring during the rest of the week at the stations given in Table IV was 23mm. at Mallarany (Mayo) on the 2nd. The first day of the week was the warmest generally; a maximum temperature of 77°F. was experienced at Shoburness and readings of 70°F. and over were

numerous. There were no exceptionally low screen minimum temperatures; the lowest occurred in Great Britain on the 5th, but in Ireland the 4th was the coolest night generally. The lowest reading, 26°F., was recorded at Balmoral and one of 28°F. at Tenbury (Worcester). The lowest grass minimum temperatures were also experienced on the 5th, when 19°F. was recorded at Wisley and Rhayader, and 22°F. at Balmoral. The highest grass minimum temperature on that night was 44°F. at Margate. The mean temperature for the week was below normal throughout Great Britain and about normal in Ireland. The largest amounts of sunshine were experienced on September 30th and October 4th. A number of records exceeding 10 hrs. were obtained, the largest being 10·7 hrs. at Phoenix Park, Dublin, on September 30th. The departure of the mean daily duration from the normal for the week ranged from +3·0 hrs. at Armagh to -1·9 hrs. at Cambridge. Solar halos were observed at Oxford on the 2nd and 5th and at Shoburness on the 5th. A very brilliant rainbow was seen at Raunds on the 6th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	13	9	3·9	14	7	3·2	8	4	1·7	13	3	1·4	14	10	4·4	7	8	3·6	12	6	2·6	12	8	3·6
North	8	9	4·1	10	7	3·0	12	13	6·0	9	10	4·4	12	13	5·8	18	14	6·2	9	11	4·8	15	10	4·6
West	21	11	4·8	25	14	6·2	19	6	2·5	21	5	2·2	25	11	5·1	22	13	5·9	21	14	6·2	20	11	4·8
East	4	4	2·0	1	4	2·0	0	—	—	1	6	2·6	0	—	—	3	7	3·0	4	7	3·3	5	4	1·7
Calm (or wind- speed < 4 m.p.h.)	2	—	—	1	—	—	8	—	—	6	—	—	1	—	—	0	—	—	3	—	—	1	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	Channel Islands (and Scilly).
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ..	Moderate	Light	Light	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ..	Abundant	Abundant	Moderate	Scanty	Moderate	Moderate	—	Abundant	Moderate	Very Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 5 weeks from Sept. 2nd, 1923.	Warmth	..	0, 3, 2	0, 3, 2	1, 3, 1	2, 1, 2	1, 3, 1	1, 2, 2	0, 2, 3	1, 2, 2	0, 3, 2	1, 1, 3	1, 2, 2	0, 3, 2
	Rainfall	..	3, 2, 0	3, 1, 1	2, 2, 1	1, 3, 1	1, 3, 1	2, 2, 1	3, 2, 0	1, 4, 0	1, 3, 1	2, 3, 0	2, 3, 0	1, 4, 0
	Sunshine	..	3, 2, 0	3, 2, 0	1, 4, 0	2, 2, 1	1, 4, 0	4, 1, 0	—	2, 2, 1	1, 3, 1	2, 1, 2	2, 2, 1	0, 5, 0

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

162 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.							
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	55	30, 2	36	4, 5	50.9	42.9	46.8	-1.6	7	0.98	25	0	Lerwick	3.4	—	30	—	—	—	—	—	—	
Orkneys	Deerness	160	58	30th	32	4th	51.9	42.6	47.1	-2.0	7	1.23	31	-2	Deerness	—	—	—	—	—	—	—	—	—	
Hebrides	Stornoway	51	—	—	—	—	—	—	—	—	—	—	—	—	Stornoway	4.0	+0.9	35	—	—	—	—	—	—	
	Castlebay	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—	
Caithness	Wick	81	66	30th	36	3, 5	53.0	41.9	47.3	-1.7	5	0.28	7	-12											
Ross and Cromarty	Strathpeffer	125	70	1st	32	3rd	57.1	41.0	48.8	-0.2	5	0.51	13	-4											
	Achnashellach	225	66	30th	35	3rd	52.7	42.4	47.4	—	7	2.18	55	—	Achnashellach	—	—	—	3	25	—	—	—	—	
Inverness	Inverness	242	69	30th	37	3rd	54.0	42.0	47.8	—	5	0.36	9	—	Inverness	4.3	—	38	0	35	—	—	—	—	
	Fort Augustus	68	68	30th	36	3rd	53.9	42.9	48.2	-1.1	5	1.36	35	+9											
	Onich	48	65	30th	37	4th	54.3	44.7	49.4	—	7	2.49	63	—	Onich	3.7	—	32	1	29	—	—	—	—	
1. SCOTLAND, E.																									
Nairn	Nairn	82	69	30th	33	3rd	53.9	42.1	47.8	-0.9	7	0.45	11	-4	Nairn	3.8	—	33	—	—	—	—	—	—	
Elgin	Gordon Castle	101	69	30th	36	5th	56.0	41.7	48.6	-1.0	4	0.38	10	-8	Gordon Castle	4.2	—	37	—	—	—	—	—	—	
Aberdeen	Aberdeen	46	73	30th	34	5th	56.3	42.0	48.9	—	4	0.09	2	-14	Aberdeen	4.3	+0.7	38	2	28	—	—	51.0	-0.5	
	Balmoral	930	69	30th	26	5th	52.4	37.7	44.8	-1.3	5	0.35	9	-10	Balmoral	—	—	3	22	—	—	—	—	—	
Perth	Crieff	478	67	30th	32	5th	54.6	40.1	47.1	-2.5	5	0.16	4	-17	(Kinc.) Crathes	4.7	+1.3	42	2	25	48.6	—	49.7	—	
Forfar	Dundee	147	69	30th	37	5th	57.0	43.6	50.1	—	2	0.03	1	—	Dundee	4.6	—	40	0	33	52.9	—	—	—	
Pife	Inchkeith	190	66	30th	40	5th	53.6	46.4	49.9	—	3	0.13	3	—	Inchkeith	5.2	—	46	0	33	—	—	—	—	
Midlothian	Edinburgh	441	71	30th	39	3, 4, 5	52.1	—	49.8	-0.1	3	0.09	2	-12	Edinburgh	4.4	+0.7	39	0	35	—	—	—	—	
Peebles	West Linton	770	65	30th	—	—	—	—	—	—	6	0.47	12	—	West Linton	—	—	3	25	—	—	—	—	—	
Berwick	Marchmont	498	66	30th	31	5th	53.4	42.9	48.0	-0.8	4	0.18	5	-15	Marchmont	4.3	+1.0	38	—	—	—	—	—	—	
2a. SCOTLAND, W.																									
Argyle	Ford	149	61	30th	33	5th	55.6	41.1	48.1	—	6	2.49	63	—	Ford	—	—	—	0	32	52.3	—	—	52.7	—
Renfrew	Renfrew	49	68	30th	31	5th	55.9	43.7	49.6	—	6	0.67	17	—	Renfrew	4.9	—	44	2	23	—	—	—	—	
Bute	Rothsay	200	60	30th	38	3, 4	53.3	43.6	48.3	-2.3	7	1.69	43	+17	Rothsay	5.1	—	45	0	33	51.1	—	52.9	+0.3	
Ayr	Kilmarnock	90	71	30th	29	4th	56.7	42.3	49.3	0.0	6	0.98	25	+4	Kilmarnock	4.9	—	43	—	—	52.1	—	—	—	
	Colmonell	170	67	30th	34	5th	57.3	44.7	50.8	+0.3	7	1.11	28	+3	Colmonell	—	—	—	1	29	—	—	—	—	
Dumfries	Dumfries	140	61	30th	32	5th	53.6	41.4	47.3	-3.1	5	0.65	17	-3	Dumfries	3.4	—	29	2	26	52.4	+0.5	53.3	-1.0	
	Eskdalemuir	794	58	30th	27	5th	51.0	40.9	45.8	—	7	0.80	20	—	Eskdalemuir	2.8	—	25	2	23	—	—	—	—	
3. ISLE OF MAN.																									
I. of Man	Douglas	284	59	30th	36	5th	53.7	45.0	49.2	-2.3	7	0.86	22	-3	Douglas	4.7	+0.9	41	0	33	—	—	—	—	—
4. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	70	30th	32	5th	55.3	40.1	47.5	-1.2	2	0.36	9	-9	Cockle Park	4.3	+0.6	37	1	30	49.7	-0.3	51.5	0.0	
Durham	Tynemouth	118	74	30th	35	5th	56.9	47.7	52.2	+1.6	3	0.41	10	-5	Tynemouth	—	—	0	33	—	—	—	—	—	
Durham	Durham	336	63	30th	30	5th	54.3	42.3	48.1	-1.8	4	0.40	10	-6	Durham	4.3	+1.0	37	1	25	—	—	—	—	
York	Rounton	249	72	30th	31	5th	55.6	42.6	48.9	-0.7	6	0.49	13	-2	Rounton	—	—	1	23	53.0	—	—	—	—	
N. Riding	West Witton	605	73	30th	30	5th	55.3	43.9	49.4	—	5	0.27	7	—	West Witton	—	—	1	26	50.9	—	—	51.1	—	
	Scarborough	118	74	30th	38	5th	58.1	47.3	52.5	+0.6	2	0.14	4	-12	Scarborough	3.9	+0.1	34	—	—	—	—	54.6	—	
	York	56	74	30th	34	5th	57.0	44.6	50.6	-0.6	5	0.47	12	-2	York	4.0	+0.8	35	—	—	53.6	-0.4	54.2	-0.8	
E. Riding	Spurn Head	26	70	30th	41	5th	55.4	48.3	51.8	-1.0	3	0.33	8	-4	Spurn Head	3.5	—	30	—	—	—	—	—	—	
Lincoln	Lincoln	58	72	30th	32	5th	57.6	43.6	50.4	-1.2	2	0.05	1	-12	Lincoln	—	-0.2	33	1	29	52.9	-0.6	54.7	-0.7	
	Cranwell	237	72	30th	33	5th	57.9	44.4	51.0	-0.7	3	0.25	6	-7	Cranwell	3.8	-0.8	33	1	29	—	—	—	—	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	3.5	-0.8	31	—	—	—	—	—	—	
ENGLAND, E.																									
Norfolk	Cromer	196	74	30th	44	2, 3, 4	58.9	47.9	53.2	+0.3	5	0.23	6	-6	Cromer	2.2	-1.7	19	—	—	—	—	—	—	—
	Yarmouth	13	72	30th	41	2, 5	57.9	47.1	52.3	-0.5	4	0.57	14	0	Yarmouth	2.3	—	20	0	38	55.9	+0.4	56.7	-0.4	
	Norwich	93	72	30th	38	5th	58.0	45.9	51.8	-0.3	4	0.44	11	-4	Norwich	2.2	—	20	0	32	53.9	—	—	—	
	Geleston	37	76	30th	37	2nd	59.2	43.4	51.1	-1.3	3	0.42	11	-2	Geleston	2.3	-1.7	20	—	—	—	—	—	—	
Cambridge	Cambridge	41	71	30th	32	5th	58.1	42.9	50.3	-1.7	2	0.33	9	-2	Cambridge	1.9	-1.9	17	2	27	55.5	+0.4	56.6	-0.3	
Hertford	Rothamsted	420	68	30th	33	5th	56.3	45.0	50.5	-0.7	5	0.59	15	+1	Rothamsted	1.9	-1.9	16	2	25	53.5	—	—	—	
Middlesex	Tottenham	51	73	30th	35	5th	58.7	48.4	53.4	—	4	0.95	24	—	Tottenham	2.1	—	18	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	67	30th	36	5th	57.4	47.6	52.4	-0.9	5	0.59	15	+5	Clacton-on-Sea	3.5	-0.7	31	0	33	56.1	+0.2	57.6	+0.1	
	Southend	90	75	30th	36	5th	59.3	47.0	53.0	—	3	0.95	24	—	Southend	3.7	—	33	0	35	57.4	—	—	—	
5. MIDLAND COUNTIES.																									
York	Harrogate	479	71	30th	33	5th	55.1	44.1	49.4	-0.2	5	0.49	13	-3	Harrogate	4.3	+1.0	38	1	30	51.8	-0.1	52.5	-0.3	
W. Riding	Sheffield	429	68	30th	31	5th	53.7	42.7	48.0	+0.1	6	0.56	14	-10	Sheffield	—	—	22	1	30	50.5	-0.7	52.3	-1.0	
Derby	Buxton	987	68	30th	31	5th	53.7	42.7	48.0	+0.1	6	0.56	14	-10	Buxton	2.5	—	22	1	30	50.5	-0.7	52.3	-1.0	
Nottingham	Worksop (Hods'ckP)	56	74	30th	31	5th	60.1	43.6	51.6	+0.8	2	0.16	4	-8	Worksop	3.5	+0.5	30	2	23	52.6	—	53.8	—	
	Nottingham	82	71	30th	33	5th	56.6	44.4	50.3	-0.7	1	0.08	2	-9	Nottingham	2.7	-0.3	24	1	29	52.4	-0.3	54.6	-0.6	
Warwick	Birmingham (Edg.)	525	71	30th	37	5th	54.9	45.6	50.1	-1.0	5	0.53	13	0	Birmingham	1.5	-1.1	13	1	23	51.4	-0.3			

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature							
			Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
8a. SOUTH WALES.																									
Cardigan	Aberystwyth ...	16	h	69	30th	39	5th	56.7	47.9	52.2	—	5	in.	mm.	mm.	Aberystwyth	Hr.	Hr.	%	°F.	°F.	°F.	°F.	°F.	
Pembroke	St. Ann's Hd.	149	t	61	30th	42	4th	56.0	49.4	52.6	-1.1	3	0.48	12	-10	St. Ann's Hd.	3.4	-0.6	30	—	—	—	—		
Radnor	Rhayader...	757	a	72	30th	29	5th	55.4	42.1	48.6	—	7	1.04	26	—	Rhayader ..	3.4	-0.4	30	—	—	—	—		
Glamorgan	Cardiff ...	202	p	73	30th	36	5th	58.3	46.0	52.0	0.0	6	0.57	14	-11	Cardiff ..	3.5	—	31	3	19	—	—		
8b. ENGLAND, S.W.																									
Somerset	Bath ...	66	h	73	30th	32	5th	58.0	45.9	51.8	-0.4	5	0.83	21	+4	Bath ..	3.3	—	29	0	31	55.0	+0.2	55.7	-0.7
Dorset	Shaftesbury ...	722	a	68	30th	35	5th	56.4	42.6	49.3	-2.2	6	1.00	25	+4	Shaftesbury ..	2.6	-1.2	23	—	—	58.2	—	57.4	—
Devon	Portland Bill ...	19	t	64	30th	42	5th	58.7	51.7	55.1	+0.2	3	0.24	6	-11	Weymouth ..	3.2	—	28	—	—	—	—	55.5	—
	Arlington ...	613	a	70	30th	35	5th	57.4	45.8	51.4	-0.1	6	1.32	34	0	Cullompton ..	3.7	+0.2	32	1	27	57.2	—	—	—
	Cullompton ...	202	a	72	30th	33	5th	61.0	46.1	53.3	+1.2	7	0.65	17	-4	Plymouth ..	4.9	+0.8	42	0	33	57.1	+1.0	57.4	—
	Plymouth...	116	p	72	30th	40	5th	61.0	49.1	54.9	+1.0	5	0.62	16	-5	Newquay ..	3.7	-0.5	32	—	—	56.6	—	56.5	—
Cornwall	Newquay ...	190	h	69	30th	46	4, 5	57.8	51.0	54.3	-0.2	5	0.49	13	-9	Falmouth ..	4.9	+0.8	42	0	35	57.1	+1.0	57.4	—
	Falmouth...	167	h	65	30th	44	5th	58.9	49.1	53.9	-0.1	4	0.67	17	-9	Newquay ..	3.7	-0.5	32	—	—	56.6	—	56.5	—
																Falmouth ..	4.6	+0.4	40	0	35	57.8	—	59.0	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	68	30th	40	3rd	55.6	47.3	51.3	-0.5	6	1.09	28	+11	Malin Head ..	5.7	—	51	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	61	30th	38	4th	57.1	44.7	50.7	-2.0	6	1.34	34	+7	Mallarany ..	4.8	—	42	—	—	—	—	—	—
Sligo	Mallarany ...	120	a	64	30th	40	4th	56.4	47.1	51.6	—	5	1.78	45	—	Markree Castle	4.9	+2.1	43	0	32	54.5	-0.1	54.4	-0.8
	Markree Castle ...	122	p	70	30th	39	4th	58.6	45.1	51.7	+1.4	6	0.85	22	0	Armagh ...	5.9	+3.0	52	1	30	54.3	+0.3	54.0	-0.8
Armagh	Armagh ...	204	p	71	30th	39	4th	58.0	45.0	51.3	+0.7	6	0.59	15	0	Down ...	5.9	+3.0	52	1	30	54.3	+0.3	54.0	-0.8
Down	Donaghadee ...	35	t	63	30th	40	5th	56.4	47.0	51.6	-0.1	7	0.59	15	-1	Trinity Coll.	—	—	—	—	—	54.8	-0.1	54.7	-0.6
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	70	30th	40	4th	57.9	47.0	52.3	+0.1	7	0.53	13	0	Phoenix Park	5.6	+1.9	49	0	34	—	—	—	—
King's County	Birr Castle ...	175	t	71	30th	35	4th	58.0	45.4	51.5	+1.3	7	0.77	20	+6	Dublin City ..	—	—	—	0	35	—	—	—	—
Kilkenny	Kilkenny ...	195	a	66	30th	36	4th	57.7	45.0	51.2	+0.3	6	0.53	13	-2	Birr Castle ..	6.0	+2.5	52	1	27	—	—	—	—
Waterford	Waterford ...	137	a	59	30, 1, 5	39	2nd	56.7	45.9	51.1	-0.9	6	0.54	14	-4	Seskin ..	—	—	—	—	—	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	62	30th	38	4th	56.3	44.1	50.0	—	5	0.37	9	—	Trinity Coll.	—	—	—	—	—	54.8	-0.1	54.7	-0.6
Limerick	Foynes ...	50	a	74	30th	40	4th	58.6	47.9	53.1	+1.0	6	0.65	17	-1	Phoenix Park	5.6	+1.9	49	0	34	—	—	—	—
Kerry	Cahiriveen (Val.O.)	30	t	64	30th	46	4th	56.4	50.4	53.3	-0.2	7	0.52	13	-14	Dublin City ..	—	—	—	0	35	—	—	—	—
	Killarney ...	174	a	67	30th	37	4th	59.2	48.1	53.5	+1.0	6	0.40	10	-15	Birr Castle ..	6.0	+2.5	52	1	27	—	—	—	—
Cork	Roche's Point ...	32	t	60	30th	42	4th	57.0	49.1	52.9	-0.5	5	0.33	8	-11	Seskin ..	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's ...	131	t	63	30th	47	4, 5	57.7	50.7	54.1	-1.2	4	0.36	9	-11	St. Mary's ..	4.4	+0.3	39	—	—	—	—	—	—
Guernsey	Grange ...	173	p	70	30th	42	5th	61.4	51.3	56.2	+0.2	4	0.68	17	-6	Grange ..	4.2	-0.4	36	0	38	57.8	-0.3	59.0	-0.8
Jersey	St. Aubins ...	25	t	74	30th	40	5th	61.4	51.4	56.3	+0.4	5	0.58	15	-8	St. Heliers ..	3.2	-1.3	28	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS OF WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 6th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.								
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands Lerwick ...	310	42	†	1	8	30 to 3, 5, 6	42	79	28	8	3	250	40	18	1	10	59	26	1	4	45		
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	1, 2	15	75	63	15	0	250	30	13	1	9	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	†	—	0	—	0	20	120	18	0	280	20	9	2	11	40	18	2	11	15		
Edinburgh Edinburgh ...	485	39	31	—	0	30, 2, 5	9	106	44	9	0	240	30	13	2	4	46	21	2	2	35		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	33	112	20	3	280	23	10	2	5	45	20	2	5	0		
Dumfries Eskdalemuir ...	825	50	22	—	0	2	6	88	55	19	0	240	16	7	2	5	24	11	2	5	20		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	—	0	47	103	18	0	360	21	9	30	3	40	18	4	5	30		
York, E.R. Spurn Head ...	67	41	†	4	4	2 to 4	21	88	53	2	0	360	40	18	4	7	57	25	4	4	15		
Lincoln Cranwell ...	280	43	31	—	0	4	2	36	119	11	0	360	26	12	4	10	32	14	4	10	30		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	†	—	0	3, 4	24	10	91	43	0	350	36	16	4	10	54	24	4	10	35		
Essex Shoeburyness...	103	90	†	—	0	4	5	36	99	27	1	—	29	13	4	12	53	23	4	11	50		
5. ENGLAND, S.E.																							
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	21	76	71	0	360	20	9	4	11	41	18	4	10	10		
Kent Lympne ...	409	70	†	4	4	3, 4	25	29	89	20	1	360	44	20	4	12	62	28	4	12	5		
Surrey Croydon ...	284	40	24	—	0	4	1	27	111	26	3	360	25	11	4	12	47	21	4	11	45		
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	29	106	33	0	10	22	10	3	15	41	18	3	15	0		
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	3, 4	11	50	86	7	14	350	30	13	4	12	47	21	4	11	45		
Wiltshire Larkhill, S'y Plam ...	513	63	43	—	0	3, 4	25	80	63	0	0	360	36	16	3	14	50	22	3	14	10		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	1 to 4, 6	30	76	59	3	0	310	32	14	2	10	—	—	—	—	—		
Lancashire Southport ...	80	62	48	—	0	1, 2, 6	23	92	52	1	0	270	32	14	6	12	47	21	6	11	0		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	†	—	0	3, 4	16	109	42	1	0	330	37	17	3	13	59	26	3	14	55		
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	3	1	3	11	41	95	20	0	—	40	18	3	14	70	31	3	13	40		
Cornwall Pendennis Castle...	256	65	24	3	4	3	12	45	89	18	0	320	42	19	3	12	60	27	3	9	50		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	1, 2, 3, 6	15	79	69	5	0	320	32	14	3	10	—	—	—	—	—		
Ciarc Quilly ...	100	40	†	—	0	1, 3	14	108	40	6	0	—	34	15	3	5	51	23	3	5	10		
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	3	17	88	61	2	0	340	34	15	3	5	52	23	3	4	35		
Cork Weaver Pt. ...	160	30	††	3	4	3	9	52	95	8	0	—	48	21	3	8	70	34	3	7	10		
11a. SCILLY ISLES.																							
Scilly St. Mary's	150	32	†	3, 4	22	2, 3, 4, 6	9	76	48	12	1	290	57	25	3	9	72	32	3	10	45		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTIETH WEEK of 1923—September 30th to October 6th, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal											
0. SCOTLAND, NORTH ..		70	32	53.4	42.6	47.9	- 1.1	day-deg. F. 41	day-deg. F. - 10	day-deg. F. 0	day-deg. F. - 2	6	+ 1	1.29	33	+ 2	4.1	+1.4	37	1009
Eastern.																				
1. SCOTLAND, EAST ..		73	26	54.3	41.8	47.9	- 1.3	42	- 12	1	- 2	5	+ 1	0.28	7	- 10	4.3	+1.0	38	1011
2. ENGLAND, N.E. ..		74	30	56.5	44.5	50.3	- 0.9	58	- 7	0	- 1	3	- 1	0.32	8	- 7	3.9	+0.3	35	1014
3. ENGLAND, EAST ..		76	32	58.1	46.0	51.9	- 0.4	69	- 4	0	- 1	4	0	0.51	13	0	2.3	- 1.5	20	1015
4. MIDLAND COUNTIES ..		74	28	56.8	43.8	50.1	- 0.8	57	- 8	0	- 3	4	0	0.42	11	- 3	2.8	- 0.5	25	1016
5. ENGLAND, S.E. ..		76	29	58.5	46.7	52.5	- 0.8	73	- 7	0	- 1	5	+ 1	1.09	28	+10	3.2	- 0.7	28	1016
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		71	29	55.2	43.1	48.9	- 1.6	48	- 14	0	- 1	6	+ 2	1.21	31	+ 5	—	—	—	1014
7. ENGLAND, N.W. (and North Wales) ..		76	31	56.1	45.8	50.8	- 0.9	62	- 7	0	- 1	6	+ 2	0.87	22	+ 1	4.0	+0.6	35	1016
8. ENGLAND, S.W. (and South Wales) ..		73	29	58.1	46.8	52.3	- 0.5	72	- 4	0	0	5	+ 1	0.74	19	- 5	3.7	- 0.1	32	1017
9. IRELAND, NORTH ..		71	35	57.3	45.7	51.3	+0.1	65	0	0	0	6	+ 2	0.87	22	+ 2	5.4	+2.5	47	1015
10. IRELAND, SOUTH ..		74	35	57.7	47.3	52.4	0.0	73	0	0	- 1	6	+ 2	0.53	13	- 6	4.9	+1.2	43	1019
11. CHANNEL ISLANDS (and Scilly) ..		74	40	60.2	51.1	55.5	- 0.6	95	- 4	0	0	4	0	0.54	14	- 7	3.9	- 0.5	34	1019
MEAN: DISTRICTS 1-10		76	26	56.9	45.1	50.8	- 0.7	62	- 6	0	- 1	5	+ 1	0.68	17	- 1	3.8	+0.3	34	1015
THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, September 2nd to October 6th, 1923.																				
0. SCOTLAND, NORTH ..		70	32	55.2	44.3	49.6	- 1.6	265	- 60	0	- 4	29	+ 6	6.80	172	+54	3.9	+ 0.5	32	1006
Eastern.																				
1. SCOTLAND, EAST ..		73	26	56.7	43.5	49.8	- 1.8	278	- 65	6	0	23	+ 5	2.93	74	+ 6	4.3	+ 0.4	35	1007
2. ENGLAND, N.E. ..		74	30	60.0	46.3	52.8	- 0.9	379	- 35	0	- 1	16	0	2.32	59	+ 5	4.9	+ 0.5	40	1012
3. ENGLAND, EAST ..		76	32	62.7	47.0	54.5	- 0.8	438	- 29	0	- 1	16	+ 1	2.01	52	- 5	5.5	+ 0.6	45	1015
4. MIDLAND COUNTIES ..		77	28	61.3	45.7	53.2	- 0.9	390	- 37	0	- 5	17	+ 2	2.73	70	+13	4.4	+ 0.2	36	1014
5. ENGLAND, S.E. ..		76	29	63.4	47.7	55.2	- 1.1	462	- 39	0	- 1	18	+ 3	3.11	80	+14	6.1	+ 1.0	49	1016
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		71	29	57.2	45.4	51.0	- 1.8	315	- 66	0	- 2	29	+11	7.91	201	+91	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		76	31	58.6	47.8	53.0	- 1.3	385	- 45	0	- 1	26	+ 8	4.62	118	+34	4.5	+ 0.3	36	1013
8. ENGLAND, S.W. (and South Wales) ..		75	29	60.7	48.2	54.2	- 1.3	427	- 46	0	0	20	+ 2	3.92	100	+12	4.7	0.0	38	1016
9. IRELAND, NORTH ..		71	34	58.3	46.4	52.1	- 1.4	354	- 48	0	0	29	+ 8	5.67	144	+56	3.9	+ 0.2	31	1011
10. IRELAND, SOUTH ..		74	34	59.5	47.8	53.4	- 1.3	400	- 48	0	- 1	26	+ 7	4.24	106	+21	4.5	+ 0.2	37	1015
11. CHANNEL ISLANDS (and Scilly) ..		74	40	62.5	51.8	56.9	- 1.6	523	- 57	0	0	17	0	3.58	91	+14	5.6	- 0.1	45	1018
MEAN: DISTRICTS 1-10..		77	26	59.8	46.6	52.9	- 1.3	383	- 46	1	- 1	22	+ 5	3.95	100	+25	4.8	+ 0.4	39	1013
THE YEAR. Aggregates, &c., for the Period of 40 Weeks, December 31st, 1922, to October 6th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	52.2	41.9	46.9	+0.2	1674	-159	317	-203	193	+ 9	40.32	1023	+113	3.6	0.0	26	1009
Eastern.																				
1. SCOTLAND, EAST ..		82	20	53.2	41.0	46.8	- 0.4	1774	-265	425	-165	174	+18	24.60	629	+60	3.7	- 0.5	27	1010
2. ENGLAND, N.E. ..		91	25	55.4	43.3	49.1	+0.3	2282	- 71	294	-157	143	+ 3	18.29	468	+12	4.3	- 0.3	32	1013
3. ENGLAND, EAST ..		94	23	57.9	44.5	50.9	+0.9	2724	+27	234	-234	131	- 4	15.82	400	- 36	4.8	- 0.2	36	1014
4. MIDLAND COUNTIES ..		95	22	57.3	43.4	50.1	+0.5	2544	- 67	280	-219	146	+12	22.19	565	+79	3.9	- 0.5	30	1014
5. ENGLAND, S.E. ..		93	22	58.5	45.1	51.5	+0.5	2842	- 30	183	-175	132	+ 1	19.64	501	+26	5.0	- 0.2	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		86	20	54.5	42.8	48.4	- 0.2	2072	-176	279	-113	184	+21	40.49	1025	+185	—	—	—	1011
7. ENGLAND, N.W. (and North Wales) ..		89	24	55.2	44.7	49.8	+0.3	2362	- 99	185	-176	171	+23	27.32	695	+61	4.0	- 0.5	30	1013
8. ENGLAND, S.W. (and South Wales) ..		93	24	57.0	45.6	51.1	+0.4	2669	- 42	133	-151	152	+ 5	27.97	710	+36	4.5	- 0.4	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 0.3	27	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly) ..		90	32	58.3	48.7	53.3	+0.4	3164	+ 6	3	- 97	155	+ 5	23.48	596	+48	5.3	- 0.6	40	1016
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 41.
Vol. XL. (New Series)

FORTY-FIRST WEEK.

SUNDAY, OCTOBER 7TH, TO SATURDAY, OCTOBER 13TH, 1923.

Price 9d. Net, Post free.
Annual Subscription
(including Postage), £2 0s. 0d.



I.—GENERAL SUMMARY. [First published in 1878.]

Several low pressure systems affected the weather over the British Isles during the week and an unsettled rainy type of weather prevailed generally. The winds were mainly westerly or south-westerly in direction and gales were experienced in several parts of the country. Heavy falls of rain occurred at a number of places, notably during the latter half of the week, and at a few of our western stations hail was reported. Among the largest rainfall measurements were 25mm. at Arlington Court (Devon) on the 7th, 27mm. at Mallarany (Mayo) on the 8th, 47mm. at Falmouth, 37mm. at Newquay and at Torquay, 34mm. at Scilly, 32mm. at Plymouth, 26mm. at Achnashellach (Ross-shire) and at Cullompton (Devon), and 25mm. at Guernsey on the 11th, 27mm. at Cambridge and 25mm. at Gordon Castle (Elgin) on the 12th, while a number of places in various parts of the country had measurements of between 20 and 25mm. The total amount of rainfall for the week was above the normal in all Districts with the exception of England, N.E., and Ireland, S., where it was below normal. The highest of the maxi-

mum temperatures occurred during the first half of the week and in some parts, especially in the east and south-east of England maxima round about 65°F. were recorded. The lowest of the screen minimum temperatures were registered at the end of the period in most places, and at a few stations a reading of 32°F. was recorded. Ground frosts occurred in several places, the lowest grass temperature, 24°F. being registered at Hodsock Priory, Worksop, on the morning of the 12th. Over the country generally the mean temperature for the week did not differ much from the normal. The total amount of sunshine for the week was in excess of the normal at a few of the Scottish stations, but in most other places there was a deficiency. The departure of the mean daily duration of sunshine from the normal for the week ranged from +3.1 hours at Aberdeen to -2.7 hours at Guernsey. Solar halos were seen at Armagh, Clacton, Richmond (Kew Observatory), Oxford, Ross-on-Wye and Tenbury on the 8th and at Dublin on the 11th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
				Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.	
					m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	...	...	15	11	4.7	11	7	3.3	19	6	2.9	24	6	2.5	21	10	4.5	10	5	2.3	24	9	4.1	16	7	3.1	
North	...	...	5	4	1.8	6	6	2.5	3	4	1.9	1	4	1.8	5	9	4.1	15	9	4.0	3	5	2.3	11	8	3.6	
West	...	...	23	17	7.6	28	17	7.5	25	8	3.4	25	7	3.1	28	18	7.9	25	18	8.2	27	19	8.5	28	11	4.7	
East	...	...	3	8	3.7	0	—	—	0	—	—	1	7	3.2	0	—	—	2	4	1.9	1	1	0.5	0	—	—	
Calm (or wind- speed < 4 m.p.h.)			1	—	—	0	—	—	3	—	—	2	—	—	0	—	—	1	—	—	0	—	—	0	—	—	
No record	...		0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly)	
Comparison with the normal for the time of year ..	(Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	
	(Rainfall ..	Heavy	Heavy	Light	Very Heavy	Heavy	Very Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Very Heavy	
	(Sunshine ..	Moderate	Abundant	Scanty	Scanty	Scanty	Scanty	—	Scanty	Scanty	Moderate	Scanty	Very Scanty	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 6 weeks from Sept. 2nd, 1923.	Warmth ..	0, 4, 2	0, 4, 2	1, 4, 1	2, 2, 2	1, 4, 1	2, 2, 2	0, 3, 3	1, 3, 2	1, 3, 2	1, 2, 3	1, 3, 2	1, 3, 2
		4, 2, 0	4, 1, 1	2, 2, 2	2, 3, 1	2, 3, 1	3, 2, 1	3, 3, 0	2, 4, 0	2, 3, 1	2, 4, 0	2, 4, 0	2, 4, 0
		3, 3, 0	4, 2, 0	1, 4, 1	2, 2, 2	1, 4, 1	4, 1, 1	—	2, 2, 2	1, 3, 2	2, 2, 2	2, 2, 2	0, 5, 1
	Rainfall ..												
	Sunshine ..												

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	54	7th	41	11, 13	50.6	43.7	47.1	+0.4	7	1.11	28	+5	Lerwick	..	4.2	..	39	..	..	..	..	..
Orkneys	Deerness	160	p	57	7th	40	12th	50.4	42.4	46.3	-0.9	7	2.07	53	+31	Deerness	..	2.7	+0.2	25	..	..	..	..	..
Hebrides	Stornoway	51	t	54	7th	39	12th	50.9	42.6	46.6	-0.5	7	2.42	61	+31	Stornoway	..	1.5	-1.3	14	..	..	..	..	..
	Castlebay	37	t	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Caithness	Wick	81	t	57	7th	37	12th	54.0	41.6	45.9	-1.1	7	1.13	29	+12	Wick	..	..	..	..	..	..	..	..	..
Ross and Cromarty	Strathpeffer	125	a	57	8, 9	35	11th	53.1	39.3	46.0	-0.7	7	1.87	47	+32	Strathpeffer	..	..	..	..	..	..	..	..	..
Inverness	Achnashellach	225	a	54	7th	38	11th	50.4	42.4	46.3	..	7	3.70	94	..	Achnashellach	..	..	..	..	..	..	..	..	..
	Inverness	242	a	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Fort Augustus	68	a	56	7, 8	38	9, 11	51.4	41.6	46.4	-0.7	5	2.24	57	+34	Fort Augustus	..	..	..	..	..	..	..	..	..
	Onich	48	a	55	7, 9	39	13th	52.3	44.6	48.3	..	6	3.44	87	..	Onich	..	1.6	..	15	0	31	..	..	..
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	58	7th	39	11, 12	51.0	41.7	46.2	-0.3	7	1.52	39	+24	Nairn	..	3.0	..	28	..	..	..	..	..
Elgin	Gordon Castle	101	p	60	7th	38	13th	53.4	41.1	47.1	-0.5	6	1.50	28	+19	Gordon Castle	..	4.1	..	39	..	..	..	..	..
Aberdeen	Aberdeen	46	a	58	7, 10	39	12th	54.1	41.9	47.8	..	4	0.83	21	+3	Aberdeen	..	6.4	+3.1	59	1	28	..	50.2	-0.7
	Balmoral	930	a	56	7th	32	13th	49.9	37.6	43.6	-0.4	7	1.32	34	+13	Balmoral	..	..	..	..	..	..	..	..	..
Perth	Criff	478	p	59	7th	32	13th	52.9	39.1	45.8	-1.5	6	1.19	30	+6	Criff	..	..	..	..	..	..	..	..	..
Forfar	Dundee	147	a	59	7th	35	13th	54.9	42.0	48.3	..	5	0.45	11	..	Dundee	..	3.5	+2.4	51	2	26	45.7	48.7	..
Fife	Inchkeith	190	t	57	7th	40	13th	52.3	45.7	48.9	..	5	0.45	11	..	Inchkeith	..	2.6	..	24	0	37	..	..	..
Midlothian	Edinburgh	441	p	57	7, 9	37	13th	52.6	42.7	47.5	-0.4	6	0.54	14	-2	Edinburgh	..	3.9	+0.6	36	0	31	..	..	..
Peebles	West Linton	770	a	57	8th	..	..	52.6	..	..	..	7	1.55	39	..	West Linton	..	..	..	..	..	..	..	..	..
Berwick	Marchmont	498	a	57	8th	33	13th	52.0	41.1	46.4	-0.3	6	0.72	18	-5	Marchmont	..	2.9	0.0	27	..	..	..	..	..
2a. SCOTLAND, W.																									
Argyle	Ford	149	a	56	8th	35	13th	52.9	44.0	48.3	..	6	1.81	46	..	Ford	..	..	..	..	..	..	..	..	..
Renfrew	Renfrew	49	t	57	7, 9	35	13th	53.7	43.9	48.7	..	6	1.34	34	..	Renfrew	..	..	..	..	..	..	..	..	..
Bute	Rothsay	200	p	56	9th	38	13th	52.4	43.3	47.7	-1.1	6	1.48	38	+13	Rothsay	..	3.3	..	31	1	27	..	..	..
Ayr	Kilmarnock	90	a	57	7, 9	32	13th	54.6	44.3	49.3	+1.8	6	1.32	33	+12	Kilmarnock	..	2.8	..	26	0	34	48.6	51.6	-0.4
	Colmonell	170	a	59	8th	41	13th	55.6	46.0	50.7	+1.9	6	1.17	30	+5	Colmonell	..	..	..	..	..	..	..	..	..
Dumfries	Dumfries	140	p	59	9th	35	13th	53.9	42.3	47.9	-0.5	6	0.87	22	+1	Dumfries	..	2.8	..	26	1	30	50.0	52.2	-1.1
	Eskdalemuir	794	t	54	7th	33	12, 13	50.3	39.4	44.7	..	6	2.20	56	..	Eskdalemuir	..	2.2	..	20	2	28	..	..	..
3. ISLE OF MAN.																									
I. of Man	Douglas	284	a	56	9th	41	13th	53.3	46.3	49.7	-0.1	7	1.73	44	+18	Douglas	..	3.2	-0.3	29	0	37	..	..	..
4. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	60	9th	33	13th	52.4	40.4	46.2	-0.8	5	0.48	12	-8	Cockle Park	..	1.3	-2.0	12	1	29	46.5	49.8	-1.0
Durham	Tynemouth	118	t	57	7, 8	35	13th	54.1	43.7	48.8	-0.1	3	0.28	7	-11	Tynemouth	..	..	..	..	..	..	..	..	..
York	Rounton	336	p	60	9th	32	13th	53.3	40.6	46.8	-1.3	4	0.24	6	-13	Rounton	..	3.1	+0.1	28	2	25	..	..	..
N. Riding	West Witton	249	a	60	9th	36	13th	54.3	42.4	48.2	+0.3	3	0.45	12	-6	West Witton	..	..	..	..	..	..	..	..	..
	Scarborough	605	p	54	7, 8, 9	34	13th	51.7	42.4	46.9	..	6	0.92	23	..	Scarborough	..	..	..	..	..	..	..	..	..
	York	118	a	60	9th	39	13th	55.1	44.7	49.8	-0.3	3	0.22	6	-13	York	..	2.6	-0.8	24	1	30	48.1	53.2	-0.9
		56	p	61	9th	38	12, 13	54.9	45.0	49.8	+0.5	2	0.37	9	-7		..	2.5	-0.4	23	..	..	51.4	53.4	-0.9
E. Riding	Spurn Head	26	t	60	9th	41	12th	55.3	46.6	49.9	-1.1	4	0.60	15	0	Spurn Head	..	2.2	..	20	..	..	..	..	..
Lincoln	Lincoln	58	a	61	8th	38	12, 13	55.1	44.3	49.5	-0.1	5	0.73	19	+3	Lincoln	..	..	..	..	..	..	..	..	..
	Cranwell	237	t	61	9th	37	12th	54.0	44.1	48.9	-0.8	5	0.91	23	+8	Cranwell	..	2.3	-1.3	21	1	26	50.1	53.8	-0.8
	Skegness	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Skegness	..	2.2	-1.7	20	..	..	..	..	..
Norfolk	Cromer	196	a	61	9th	39	12, 13	55.0	45.6	50.2	-1.0	5	0.96	24	+8	Cromer	..	2.1	-1.7	19	..	..	..	..	..
	Yarmouth	13	t	65	9th	39	13th	56.1	45.4	50.6	-0.6	5	1.40	35	+17	Yarmouth	..	2.4	..	..	..	..	..	..	..
	Norwich	93	a	64	8th	38	13th	56.3	45.7	50.8	+0.4	6	1.96	50	+31	Norwich	..	2.7	..	22	0	36	53.1	55.1	-1.0
	Gedeston	37	a	66	9th	35	13th	57.6	44.9	51.1	+0.3	6	1.32	33	+16	Gedeston	..	2.6	-1.3	24	0	33	51.2	..	..
Cambridge	Cambridge	41	p	65	9th	40	13th	56.0	45.0	50.3	+0.1	5	2.41	61	+46	Cambridge	..	3.9	-0.9	26	0	34	53.0	55.4	-0.7
Hertford	Rothamsted	420	a	62	8, 9	38	13th	57.0	46.6	51.7	+2.2	6	1.81	46	+27	Rothamsted	..	2.7	-0.9	25	0	33	51.6	..	..
Middlesex	Tottenham	51	p	65	9th	42	13th	59.0	49.9	54.3	..	6	1.64	42	..	Tottenham	..	2.7	..	..	..	..	..	..	..
Essex	Clacton-on-Sea	54	t	66	9th	44	13th	57.6	49.6	53.5	+1.8	6	1.73	44	+32	Clacton-on-Sea	..	2.3	-1.7	21	0	40	53.5	56.1	-0.6
	Southend	90	a	65	9th	42	13th	58.7	48.1	53.2	..	6	1.48	38	..	Southend	..	2.4	..	22	0	40	54.3	..	..
5. MIDLAND COUNTIES.																									
York	Harrogate	479	a	59	7th	37	12, 13	53.1	42.9	47.9	-0.2	3	0.56	14	-8	Harrogate	..	3.0	-0.1	28	0	32	49.8	51.2	-0.8
W. Riding	Sheffield	429	p	..	..	..	..	..	..	..	..	..	..	..	..	Sheffield	..	..	..	..	..	..	..	..	..
Derby	Buxton	987	p	57	7th	34	12th	50.7	42.4	46.4	-0.1	7	1.28	33	+2	Buxton	..	1.7	..	15	1	30	48.3	51.5	-1.0
Nottingham	Worksop(HodsckP)	56	a	61	8th	32	12th	55.4	42.4	48.7	-0.6	4	0.50	13	-4	Worksop	..	1.5	-1.3	14	2	24	50.0	52.3	..
	Nottingham	82	t	62	9th	34	12th	54.9	44.9	49.8	+0.4	4	0.47	12	-3	Nottingham	..	1.8	-1.1	17	0	31	50.2	53.1	-1.2
Warwick	Birmingham(Edg.)	525	t	60	9th</																				

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.			Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
					Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
									Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.			Pt.		*F.		*F.		*F.	*P.	*F.	*P.														
Cardigan	Aberystwyth	...	16	h	57	7, 8, 9	45	12, 13	55.1	50.1	52.5	—	7	2.17	55	—	Aberystwyth	1.9	- 1.7	17	—	—	—	—	—	—
Pembroke	St. Ann's Hd.	...	149	t	58	8, 10	48	13th	55.9	51.6	53.7	+1.2	5	1.24	81	—	St. Ann's Hd.	2.3	- 1.1	21	—	—	—	—	—	
Radnor	Rhayader...	...	757	a	58	8th	38	12, 13	52.1	44.9	48.4	—	7	3.32	84	—	Rhayader ..	1.7	—	15	1	20	—	—	—	
Glamorgan	Cardiff	...	202	p	60	9th	42	12, 13	56.6	47.9	52.1	+1.7	6	2.07	53	+25	Cardiff	2.3	—	21	0	38	53.2	- 0.4	54.9	- 0.8
8b. ENGLAND, S.W.																										
Somerset	Bath	...	66	h	63	10th	40	13th	57.7	48.7	53.1	+2.6	6	1.66	42	+23	Bath ..	1.6	- 1.9	14	—	—	54.9	—	56.5	—
Dorset	Shaftesbury	...	722	a	60	8, 9	39	13th	56.6	46.3	51.3	+1.5	7	1.92	49	+26	Shaftesbury ..	—	—	—	—	—	—	—	55.3	—
	Portland Bill	...	19	t	61	9th	50	13th	58.3	53.9	56.0	+2.5	6	1.79	45	+26	Weymouth ..	1.8	—	17	—	—	—	—	—	—
Devon	Arlington	...	613	a	60	9th	42	13th	55.7	48.5	52.0	+2.0	7	3.41	87	+50										
	Cullompton	...	202	a	64	9, 10	39	13th	59.3	49.3	54.2	+3.8	7	2.20	56	+32	Cullompton ..	1.7	- 1.2	16	0	31	55.2	—	—	—
	Plymouth...	...	116	p	63	9th	45	13th	59.1	51.4	55.1	+2.7	6	2.09	53	+30	Plymouth ..	2.3	- 1.4	21	0	41	55.7	+0.9	56.8	—
Cornwall	Newquay	...	190	h	59	8, 10	49	13th	57.1	52.3	54.6	+1.4	7	2.49	63	+40	Newquay	2.3	- 1.5	21	—	—	55.8	—	56.1	—
	Falmouth...	...	167	h	62	9th	45	13th	58.0	50.9	54.4	+1.7	7	2.99	76	+47	Falmouth ..	2.9	- 0.9	27	0	41	57.1	—	58.0	—
9. IRELAND, N.																										
Donegal	Malin Head	...	71	t	58	9th	44	13th	53.3	47.6	50.4	+0.6	7	1.09	28	+11	Malin Head ..	3.2	—	30	—	—	—	—	—	—
Mayo	Blackod Point	...	10	t	57	8, 9	40	13th	55.4	44.7	49.9	- 0.8	5	1.05	27	- 2										
	Mallarany	...	120	a	58	8th	43	13th	54.4	47.6	50.9	—	6	2.58	66	—	Mallarany ..	1.5	—	18	—	—	—	—	—	—
Sligo	Markree Castle	...	122	p	60	9th	41	11, 12, 13	58.3	45.0	50.5	+2.4	6	1.68	43	+19	Markree Castle	2.4	- 0.4	22	0	37	53.3	- 0.2	54.0	- 0.7
Armagh	Armagh	...	204	p	60	7, 9	40	13th	55.9	45.0	50.3	+2.0	6	1.00	25	+ 9	Armagh	3.5	+0.6	32	0	36	51.8	- 1.0	53.3	- 0.8
Down	Donaghadee	...	35	t	60	7th	41	11, 12, 13	55.1	45.3	50.1	+0.4	5	0.59	15	- 2										
10. IRELAND, S.																										
Dublin	Dublin City	...	54	p	61	9th	42	13th	56.1	47.0	51.4	+0.8	6	0.31	8	- 8	Trinity Coll.	—	—	—	0	36	52.2	- 1.5	53.9	- 0.8
King's County	Birr Castle	...	175	t	59	7th	41	13th	55.0	45.6	50.2	+1.6	6	0.78	20	+ 3	Phoenix Park	2.8	- 0.7	25	0	34	—	—	—	—
Kilkenny	Kilkenny	...	195	a	61	8th	38	12th	56.4	45.6	50.8	+1.6	6	0.63	16	- 3	Dublin City ..	—	—	—	0	37	—	—	—	—
Waterford	Waterford	...	137	a	61	8th	43	13th	56.4	48.1	52.1	+1.6	6	0.45	11	- 12	Birr Castle ..	3.6	+0.3	33	0	35	—	—	—	—
	Seskin, Carrick-on-Suir	...	542	p	61	9th	39	13th	55.9	46.0	50.8	—	6	0.56	14	—										
Limerick	Foynes	...	50	a	61	8th	44	13th	55.9	48.6	52.1	+1.5	7	1.10	28	+ 6	Seskin ..	2.6	—	24	0	34	—	—	—	—
Kerry	Cahiriveen (Val.O.)	...	30	t	59	8th	45	13th	54.7	50.7	52.6	+0.4	7	1.30	33	0	Cahiriveen	1.9	- 1.5	17	0	42	—	—	—	—
	Killarney	...	174	a	63	7, 8	43	13th	57.1	49.1	53.0	+2.1	7	1.35	34	+ 2	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point	...	32	t	59	7, 9	44	13th	56.1	50.1	53.0	+1.0	5	0.54	14	- 10	Ballinacurra	2.9	- 0.4	27	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's	...	131	t	60	9th	48	13th	57.3	52.4	54.8	+0.4	7	2.22	56	+35	St. Mary's	2.7	- 1.5	24	—	—	—	—	—	—
Guernsey	Grange	...	173	p	62	9, 10	49	13th	60.0	52.7	56.2	+1.5	7	2.17	55	+30	Grange	1.9	- 2.7	17	0	43	57.3	+0.3	58.1	- 0.9
Jersey	St. Aubins	...	25	t	—	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers	—	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 13th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.	
Shetlands Lerwick ...	310	42	†	9, 10	19	7, 9 to 11	42	85	16	5	1	250	56	25	9	14	78	35	9	13	30	
Orkneys **Deerness (Cup Anr.)	188	16	5	9	11	8 to 11	23	94	36	4	0	260	54	24	9	13	—	—	—	—	—	
1. SCOTLAND, E.																						
Aberdeen Aberdeen ...	72	42	†	—	0	9, 11	11	66	85	6	0	260	35	15	9	15	64	28	9	14	45	
Edinburgh Edinburgh ...	485	39	31	—	0	7 to 11	34	96	34	4	0	270	38	17	9	13	68	30	9	7	10	
6a. SCOTLAND, W.																						
Renfrew Paisley ...	188	81	15	—	0	9	8	70	84	6	0	270	30	13	9	10	73	33	9	13	0	
Dumfries Eskdalemuir ...	826	50	22	—	0	7, 9	31	74	46	17	0	250	37	16	9	12	60	27	9	11	20	
2. ENGLAND, N.E.																						
Durham South Shields...	72	61	12	—	0	9, 10	24	54	81	9	0	260	38	17	9	10	64	29	9	10	55	
York, E.R. Spurn Head ...	67	41	†	—	0	8 to 11	17	124	21	1	0	280	42	19	9	13	57	25	9	11	0	
Lincoln Cranwell ...	280	43	31	—	0	9	5	68	87	8	0	280	27	12	9	10	33	15	9	10	10	
3. ENGLAND, E.																						
Norfolk Gorleston ...	52	42	†	—	0	12	4	28	111	23	2	190	26	12	12	15	42	19	9	10	15	
Essex Shoeburyness...	103	90	†	—	0	12	6	78	82	0	2	—	38	17	12	14	50	22	12	11	50	
5. ENGLAND, S.E.																						
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	26	115	27	0	200	18	8	12	12	33	15	12	11	45	
Kent Lympe ...	409	70	†	12	1	9, 10, 12	19	69	73	6	0	240	39	17	12	16	57	25	12	15	15	
Surrey Croydon ...	284	40	24	—	0	12	2	51	113	2	0	210	25	11	12	13	52	23	12	12	45	
Hampshire Petersfield (Stoner Hill)...	811	42	†	—	0	—	0	62	80	13	13	270	22	10	9	13	40	18	9	13	45	
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	9, 10, 12, 13	21	113	34	0	0	210	32	14	12	11	52	23	12	11	35	
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	9, 10, 12, 13	31	117	20	0	0	200	34	15	12	11	45	20	12	11	10	
7a. ENGLAND, N.W.																						
Lancashire Fleetwood (Cup Anr.)...	109	44	—	9	4	7 to 13	51	86	26	1	0	260	43	19	9	8	—	—	—	—	—	
Lancashire Southport ...	80	62	48	9	7	7 to 13	68	61	50	2	0	280	45	20	9	9	56	25	9	8	55	
7b. NORTH WALES.																						
Anglesey Helyhead ...	64	45	†	13	1	8, 9, 11 to 13	41	117	9	0	0	280	39	17	13	4	51	23	13	3	55	
8a. ENGLAND, S.W.																						
Devon Plymouth ...	185	98	2	—	0	10, 12	7	81	72	8	0	—	33	15	10	10	46	21	12	10	0	
Cornwall Pendennis Castle ...	256	65	24	12	1	7 to 10, 12	28	72	50	17	0	220	39	17	12	6	51	23	12	5	25	
10. IRELAND, S.																						
Dublin Kingstown (Cup Anr.)...	49	27	—	9	1	7 to 13	54	84	28	1	0	250	40	18	9	4	—	—	—	—	—	
Clare Quilly ...	100	40	†	—	0	8 to 10, 12, 13	41	103	24	0	0	—	33	15	12	23	55	25	12	22	5	
Kerry Cahirciveen (Val. Obs.)...	98	41	†	—	0	8, 9	7	87	69	5	0	250	27	12	9	1	42	19	12	21	45	
Cork Weaver Pt. ...	160	50	†	—	0	8	1	64	96	7	0	—	25	11	8	23	41	18	8	22	45	
11a. SCILLY ISLES.																						
Scilly St. Mary's	150	32	†	—	0	7 to 13	73	59	27	9	0	290	36	16	13	3	45	20	12	22	50	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FORTY-FIRST WEEK of 1923—October 7th to October 13th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
0. SCOTLAND, NORTH ..		°F. 57	°F. 35	°F. 51.3	°F. 42.3	°F. 46.7	°F. - 0.3	day-deg. F. 33	day-deg. F. - 8	day-deg. F. 0	day-deg. F. - 4	7	+ 2	inches. 2.27	mm. 58	mm. +29	hr. 2.1	hr. - 0.5	% 20	mb. 992
Eastern.																				
1. SCOTLAND, EAST ..		60	32	52.2	41.2	46.5	- 0.7	34	- 10	2	- 4	6	+ 2	1.13	29	+ 9	4.2	+ 1.2	39	996
2. ENGLAND, N.E. ..		61	32	54.1	43.5	48.7	- 0.8	47	- 8	0	- 2	4	0	0.48	12	- 6	2.3	- 1.0	21	1003
3. ENGLAND, EAST ..		66	35	56.8	46.6	51.6	+0.9	67	+ 3	0	- 3	6	+ 2	1.65	42	+26	2.5	- 1.2	23	1007
4. MIDLAND COUNTIES		67	32	55.4	44.9	50.0	+0.6	56	0	0	- 5	5	+ 1	1.14	29	+10	2.1	- 1.0	19	1006
5. ENGLAND, S.E. ..		67	38	58.7	48.9	53.6	+1.8	81	+10	0	- 3	6	+ 2	1.83	46	+27	2.6	- 1.2	23	1008
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		59	32	53.8	44.3	48.9	+0.2	48	- 3	0	- 2	6	+ 2	1.39	35	+ 8	—	—	—	1000
7. ENGLAND, N.W. (and North Wales)		62	34	54.2	46.2	50.1	- 0.1	57	- 1	0	- 1	5	+ 1	1.29	32	+10	2.0	- 1.0	18	1005
8. ENGLAND, S.W. (and South Wales)		64	38	56.9	49.3	53.0	+1.6	77	+10	0	- 1	6	+ 2	2.27	58	+31	2.1	- 1.3	19	1009
9. IRELAND, NORTH ..		60	40	55.2	45.5	50.2	+1.1	57	+ 6	0	- 2	6	+ 1	1.03	26	+ 4	2.9	+0.1	27	1002
10. IRELAND, SOUTH ..		63	38	56.0	48.1	51.9	+1.3	69	+ 8	0	- 1	6	+ 2	0.81	21	- 2	2.8	- 0.6	26	1008
11. CHANNEL ISLANDS (and Scilly)		62	48	59.1	52.6	55.7	+1.0	96	+ 7	0	0	7	+ 2	2.19	55	+32	2.1	- 2.2	19	1012
MEAN: DISTRICTS 1-10		67	32	55.3	45.9	50.5	+0.6	59	+ 1	0	- 2	6	+ 1	1.30	33	+12	2.6	- 0.7	24	1004
THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, September 2nd to October 13th, 1923.																				
0. SCOTLAND, NORTH ..		70	32	54.6	44.0	49.1	- 1.4	298	- 68	0	- 8	36	+ 8	9.07	230	+83	3.6	+ 0.4	30	1003
Eastern.																				
1. SCOTLAND, EAST ..		73	26	55.9	43.1	49.3	- 1.6	312	- 75	8	- 4	29	+ 7	4.06	103	+15	4.3	+ 0.6	36	1005
2. ENGLAND, N.E. ..		74	30	59.0	45.8	52.1	- 0.9	426	- 43	0	- 3	20	0	2.80	71	- 1	4.5	+ 0.3	37	1011
3. ENGLAND, EAST ..		76	32	61.7	47.0	54.0	- 0.5	505	- 26	0	- 4	22	+ 3	3.66	94	+21	5.0	+ 0.3	41	1013
4. MIDLAND COUNTIES		77	28	60.3	45.6	52.6	- 0.7	446	- 37	0	-10	22	+ 3	3.87	99	+23	4.1	0.0	34	1013
5. ENGLAND, S.E. ..		76	29	62.6	47.9	54.9	- 0.7	543	- 29	0	- 4	24	+ 5	4.94	126	+41	5.5	+ 0.6	45	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		71	29	56.6	45.2	50.7	- 1.4	363	- 69	0	- 4	35	+13	9.30	236	+99	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		76	31	57.8	47.6	52.5	- 1.1	442	- 46	0	- 2	31	+ 9	5.91	150	+44	4.1	+ 0.1	34	1012
8. ENGLAND, S.W. (and South Wales)		75	29	60.1	48.4	54.0	- 0.8	504	- 36	0	- 1	26	+ 4	6.19	158	+43	4.2	- 0.3	35	1015
9. IRELAND, NORTH ..		71	34	57.8	46.2	51.8	- 0.9	411	- 42	0	- 2	35	+ 9	6.70	170	+60	3.7	+ 0.2	30	1009
10. IRELAND, SOUTH ..		74	34	58.9	47.9	53.2	- 0.8	469	- 40	0	- 2	32	+ 9	5.05	127	+19	4.2	+ 0.1	35	1014
11. CHANNEL ISLANDS (and Scilly)		74	40	62.0	51.9	56.7	- 1.2	619	- 50	0	0	24	+ 2	5.77	146	+46	5.0	- 0.5	41	1017
MEAN: DISTRICTS 1-10..		77	26	59.1	46.5	52.5	- 0.9	442	- 44	1	- 4	28	+ 6	5.25	133	+36	4.4	+ 0.2	36	1011
THE YEAR. Aggregates, &c., for the Period of 41 Weeks, December 31st, 1922, to October 13th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	52.2	41.9	46.9	+0.2	1707	-167	317	-207	200	+11	42.59	1081	+142	3.5	0.0	26	1008
Eastern.																				
1. SCOTLAND, EAST ..		82	20	53.1	41.0	46.8	- 0.4	1808	-275	427	-169	180	+20	25.73	658	+69	3.7	- 0.5	27	1009
2. ENGLAND, N.E. ..		91	25	55.4	43.3	49.1	+0.3	2329	- 79	294	-159	147	+ 3	18.77	480	+ 6	4.2	- 0.4	32	1012
3. ENGLAND, EAST ..		94	23	57.9	44.5	50.9	+0.9	2791	+ 0	234	-237	137	- 2	17.47	442	- 10	4.8	- 0.2	36	1014
4. MIDLAND COUNTIES		95	22	57.3	43.5	50.1	+0.5	2600	- 67	280	-224	151	+13	23.33	594	+89	3.9	- 0.5	29	1013
5. ENGLAND, S.E. ..		93	22	58.5	45.2	51.6	+0.6	2923	- 20	183	-178	138	+ 3	21.47	547	+53	5.0	- 0.2	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.5	42.8	48.4	- 0.2	2120	-179	279	-115	190	+23	41.88	1060	+193	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)		89	24	55.2	44.8	49.8	+0.3	2419	-100	185	-177	176	+24	28.61	727	+71	4.0	- 0.5	30	1013
8. ENGLAND, S.W. (and South Wales)		93	24	57.0	45.7	51.1	+0.4	2746	- 32	133	-152	158	+ 7	30.24	768	+67	4.4	- 0.5	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 0.3	28	1011
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly)		90	32	58.3	48.8	53.3	+0.3	3260	+13	3	- 97	162	+ 7	25.67	651	+80	5.2	- 0.7	40	1016
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.
[TEMPERATURE AND RAINFALL FIRST PUBLISHED IN 1880; GROUND TEMPERATURE IN 1900.]
FOR OFFICIAL USE.
WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

169

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:
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Forty-Sixth Year. } No. 42.
Vol. XL (New Series) }

Forty-Second Week.

SUNDAY, OCTOBER 14TH, TO SATURDAY, OCTOBER 20TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week the weather was of a changeable unsettled character. There were bright intervals, but rain fell on several days and at a number of places, notably towards the end of the week, the measurements were rather large. Thunder occurred in places and in some parts hail was reported. Southerly to south-westerly gales were experienced in the western and northern parts of the British Isles towards the end of the period. The highest of the maximum temperatures occurred during the latter half of the week in most parts of the country, and in some of the eastern and south eastern parts of England maxima above 65°F. were recorded the highest reading, 69°F., being registered at Margate on the 19th. There were one or two exceptionally warm nights, in fact, in many parts of the country it was during the night of the 18th to 19th that the maximum temperatures of the week occurred. The lowest of the screen minima were registered either on the 14th or 15th in most places, the lowest reading, 25°F., occurring at Eskdalemuir on the 14th. Ground frosts were recorded in many places and in some parts grass temperatures round about 20°F. were obtained. In most parts of the British Isles the divergence from the normal of the mean temperature for the week was again

small. Among the largest individual measurements of rainfall were 25mm. at Achnashellach (Ross-shire) on the 15th, 26mm. at Ventnor, 25mm. at Clacton, 24mm. at Tottenham and 23mm. in London (Hampstead), Tunbridge Wells and at Westbourne (Sussex) on the 19th and 35mm. at Blacksod Point, 32mm. at Cahirciveen (Valencia Observatory), 30mm. at Onieh (Inverness), 26mm. at Killarney and 23mm. at Stornoway and Mallarany (Mayo) on the 20th, while Ford (Argyll) had a fall of 25mm. on the 16th and 30mm. on the 20th. The total amount of rainfall for the week was above the normal in some parts of Scotland and Ireland and also in south-east England, but in most other parts of the country it was below normal. Several places had daily sunshine records of between 9 and 10 hours during the early part of the week and at most stations the total amount for the week was above the normal. The departure of the mean daily duration of sunshine from the normal for the week ranged from +2.1 hours at Cockle Park (Northumberland) to -0.7 hours at Guernsey. Solar and lunar halos were seen in several places on the 19th and 20th. The Zodiacal Light was observed at Clacton before sunrise on the 14th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). **MEAN VALUES** in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahirciveen.			
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
				m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s		m.p.h		m/s	
South	...	...	13	12	5.4	17	8	4.2	19	6	2.9	18	5	2.4	22	11	4.9	12	16	7.1	19	16	7.0	19	9	4.1									
North	...	...	14	9	3.8	5	5	2.2	1	2	0.8	0	—	—	4	12	5.5	9	6	2.5	3	5	2.3	6	3	1.5									
West	...	...	22	8	3.5	24	14	6.3	19	5	2.2	13	5	2.1	21	14	6.2	13	8	3.4	23	13	5.6	15	9	3.8									
East	...	...	4	9	4.1	2	2	0.7	1	3	1.5	3	3	1.3	5	7	3.4	5	9	3.9	3	10	4.4	9	4	1.7									
Calm (or wind- speed < 4 m.p.h.)				0	—	—	0	—	—	5	—	—	10	—	—	0	—	—	6	—	—	0	—	—	3	—	—								
No record				...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—							

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ..	Heavy	Moderate	Very Light	Moderate	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ..	Moderate	Abundant	Abundant	Moderate	Moderate	Abundant	—	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 7 weeks from Sept. 2nd, 1923.	Warmth ..	0, 5, 2	0, 5, 2	1, 5, 1	2, 3, 2	1, 5, 1	2, 3, 2	0, 4, 3	1, 4, 2	1, 4, 2	1, 3, 3	1, 4, 2	1, 4, 2
	Rainfall ..	5, 2, 0	4, 2, 1	2, 2, 3	2, 4, 1	2, 3, 2	3, 3, 1	4, 3, 0	2, 5, 0	2, 4, 1	2, 5, 0	2, 5, 0	2, 5, 0
	Sunshine ..	3, 4, 0	5, 2, 0	2, 4, 1	2, 3, 2	1, 5, 1	5, 1, 1	—	3, 2, 2	1, 4, 2	2, 3, 2	2, 3, 2	0, 6, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

170 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.								
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground	Frost	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																										
Shetlands	Lerwick	54	t	54	19th	37	16th	50.0	42.6	46.2	+0.1	7	0.80	20	0	Lerwick	2.7	—	25	—	—	—	—	—	—	—
Orkneys	Deerness	160	p	55	19th	39	15th	50.6	42.9	46.6	+0.1	7	1.38	35	+16	Deerness	2.5	+0.1	25	—	—	—	—	—	—	—
Hebrides	Stornoway	51	t	54	18, 19	37	16th	51.1	42.4	46.6	+0.1	7	1.74	44	+18	Stornoway	2.3	+0.4	23	—	—	—	—	—	—	—
	Castlebay	37	t	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—	—
Caithness	Wick	81	t	54	19th	36	14, 15, 17	50.6	41.1	45.7	+0.7	6	0.72	18	+3											
Ross and Cromarty	Strathpeffer	125	a	—	—	34	14th	—	38.9	—	—	—	—	—	—											
	Achnashellach	225	a	55	19, 20	37	14th	51.1	42.0	46.4	—	7	2.83	72	—	Achnashellach	—	—	—	3	27	—	—	—	—	—
Inverness	Inverness	242	a	54	20th	39	14th	50.6	42.4	46.4	—	6	0.44	11	—	Inverness	2.1	—	21	0	33	—	—	—	—	—
	Fort Augustus	68	a	61	18th	37	14th	53.0	42.1	47.4	+1.0	4	0.99	25	+5											
	Onich	48	a	55	20th	38	14th	52.3	44.0	48.0	—	7	2.96	75	—	Onich	2.8	—	27	1	29	—	—	—	—	—
1. SCOTLAND, E.																										
Nairn	Nairn	82	t	60	19th	37	17th	51.9	42.4	47.0	+1.3	4	0.39	10	-3	Nairn	2.8	—	28	—	—	—	—	—	—	—
Elgin	Gordon Castle	101	p	59	18, 19	36	16th	52.7	40.1	46.2	+0.6	4	0.47	12	-6	Gordon Castle	3.0	—	29	—	—	—	—	—	—	—
Aberdeen	Aberdeen	46	a	56	19th	35	14th	52.3	42.0	47.0	—	6	0.44	11	-6	Aberdeen	4.4	+1.6	43	2	25	—	—	49.0	-1.1	
	Balmoral	930	a	55	18th	30	14th	49.6	37.6	43.4	+0.2	4	0.78	20	0	Balmoral	—	—	3	23	—	—	—	—	—	—
Perth	Crieff	478	a	53	16, 20	32	14th	51.1	40.3	45.5	+1.0	4	0.62	16	-6	(Kinc.) Crathes	4.1	+1.3	40	3	27	44.2	—	47.5	—	
Forfar	Dundee	147	a	56	17, 18	34	14th	53.7	42.0	47.7	—	3	0.28	7	—	Dundee	3.7	—	37	1	29	47.0	—	—	—	
Fife	Inchkeith	190	t	59	19th	38	14th	53.1	44.7	48.8	—	2	0.02	1	—	Inchkeith	4.2	—	41	0	35	—	—	—	—	—
Midlothian	Edinburgh	441	p	60	19th	35	14th	52.4	42.3	47.2	+0.1	2	0.20	5	-10	Edinburgh	4.2	+1.3	41	0	33	—	—	—	—	—
Peebles	West Linton	770	a	53	18, 20	—	—	50.7	—	—	—	6	0.60	15	—	West Linton	—	—	3	21	—	—	—	—	—	—
Berwick	Marchmont	498	a	57	18th	32	14th	52.6	39.7	46.0	+0.1	4	0.48	12	-9	Marchmont	3.7	+1.1	36	—	—	—	—	—	—	—
2a. SCOTLAND, W.																										
Argyle	Ford	149	a	55	18th	34	14th	52.7	42.4	47.4	—	7	3.25	83	—	Ford	—	—	2	30	49.0	—	51.8	—	—	—
Renfrew	Renfrew	49	t	57	20th	34	14th	54.0	43.3	48.5	—	4	0.63	16	—	Renfrew	4.3	—	42	1	24	—	—	—	—	—
Bute	Rothsay	200	p	56	19th	38	14th	52.3	43.7	47.9	+0.1	7	1.19	30	+6	Rothsay	4.0	—	39	0	33	47.3	—	50.3	-0.9	
Ayr	Kilmarnock	90	a	59	18th	29	14th	55.6	41.6	48.4	+1.7	5	1.00	25	+6	Kilmarnock	4.3	—	43	—	—	48.0	—	51.4	—	
	Colmonell	170	a	58	18, 19	41	14th	55.7	45.7	50.6	+2.6	5	1.45	37	+13	Colmonell	—	—	0	34	—	—	—	—	—	—
Dumfries	Dumfries	140	p	58	19th	31	14th	54.0	41.9	47.8	+0.2	5	0.93	24	+4	Dumfries	3.9	—	38	2	23	46.9	-1.8	51.1	-1.1	
	Eskdalemuir	794	t	56	19th	25	14th	51.1	38.0	44.4	—	5	1.39	35	—	Eskdalemuir	3.3	—	32	3	21	—	—	—	—	—
3. ISLE OF MAN.																										
I. of Man	Douglas	284	a	55	17, 20	39	14th	52.4	45.0	48.6	+0.4	6	1.20	31	+6	Douglas	4.4	+1.4	42	0	34	—	—	—	—	—
4. ENGLAND, N.E.																										
Northumberland	Cockle Park	324	p	58	19th	31	14th	53.4	36.6	44.8	+1.2	3	0.23	6	-14	Cockle Park	5.0	+2.1	48	2	26	44.7	-2.2	48.2	-1.8	
	Tynemouth	118	t	60	19th	33	14th	54.9	42.7	48.6	+0.7	2	0.10	3	-15	Tynemouth	—	—	1	30	—	—	—	—	—	—
Durham	Durham	338	p	58	19th	28	14th	54.6	36.7	45.4	+1.6	3	0.13	3	-16	Durham	4.7	+2.0	45	3	21	—	—	—	—	—
York	Rounton	249	p	59	17th	29	14th	55.3	37.0	45.9	+0.9	3	0.16	4	-14	Rounton	—	—	4	22	48.1	—	—	—	—	—
	West Witton	605	a	59	18th	33	14th	53.6	41.1	47.2	—	3	0.71	18	—	West Witton	—	—	—	3	27	45.5	—	48.5	—	
	Scarborough	118	a	61	17th	37	15th	56.7	42.3	49.3	+0.3	3	0.11	3	-16	Scarborough	4.3	+1.3	41	—	—	—	—	51.3	—	
	York	56	p	59	17, 19	34	15th	55.0	39.4	47.0	+1.2	3	0.21	5	-11	York	4.2	+1.7	41	—	—	49.1	-2.1	52.3	-1.1	
E. Riding	Spurn Head	26	t	60	19th	43	14, 20	53.3	45.0	49.0	+0.9	5	0.20	5	-10	Spurn Head	3.2	—	30	—	—	—	—	—	—	—
Lincoln	Lincoln	58	t	63	18, 19	33	15th	56.3	41.0	48.4	+0.2	5	0.13	5	-10	Lincoln	—	—	0	32	47.5	-2.5	52.2	-1.4		
	Cranwell	237	a	64	19th	35	15th	54.7	41.0	47.7	+0.7	6	0.27	7	-8	Cranwell	3.7	+0.5	35	2	30	—	—	—	—	—
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	3.4	+0.1	32	—	—	—	—	—	—	—
Norfolk	Cromer	196	a	66	19th	36	14th	56.5	41.8	48.9	+1.0	5	0.21	5	-9	Cromer	3.1	+0.2	29	—	—	—	—	—	—	—
	Yarmouth	13	t	67	19th	33	15th	56.9	41.9	49.2	+0.7	5	0.46	12	-5	Yarmouth	3.8	—	36	0	32	49.9	-2.3	52.6	-2.4	
	Norwich	93	a	66	19th	32	15th	56.1	40.0	47.8	+1.3	5	0.40	10	-8	Norwich	3.4	—	32	2	28	46.9	—	—	—	—
	Gedeston	37	a	68	19th	32	15th	58.2	40.3	49.0	+0.5	3	0.39	10	-6	Gedeston	3.8	+0.5	37	—	—	—	—	—	—	—
Cambridge	Cambridge	41	p	66	19th	32	15th	56.3	39.9	47.9	+1.0	5	0.28	7	-7	Cambridge	3.2	+0.0	30	2	26	49.7	-2.0	54.1	-1.0	
Hertford	Rothamsted	420	a	61	18, 19	35	15th	55.4	41.1	48.0	+0.2	4	0.51	13	-5	Rothamsted	3.7	+0.6	35	2	29	48.4	—	—	—	—
Middlesex	Tottenham	51	p	65	19th	36	15th	55.6	44.4	49.8	—	3	1.03	26	—	Tottenham	3.2	—	31	—	—	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	62	19th	35	15th	55.7	44.4	49.9	+0.5	5	1.11	28	+17	Clacton-on-Sea	3.6	+0.2	35	0	32	50.2	-3.0	54.6	-1.2	
	Southend	90	a	65	19th	35	15th	57.3	43.1	50.0	—	3	0.98	25	—	Southend	3.3	—	32	0	34	51.0	—	—	—	—
5. ENGLAND, S.E.																										
York	Harrogate	479	a	58	18th	35	15th	53.3	40.4	46.7	+0.1	4	0.39	10	-9	Harrogate	4.9	+2.0	47	1	30	47.9	-1.4	50.2	-0.8	
W. Riding	Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—	—
Derby	Buxton	987	p	53	19th	35	15th	50.0	40.6	45.2	+0.1	5	0.83	21	-7	Buxton	3.0	—	29	0	31	45.7	-2.3	50.3	-1.4	
Nottingham	Worksop (HodsckP)	56	a	61	18, 19	32	20th	57.7	38.9	48.0	+0.0	4	0.07	2	-13	Worksop	2.2	+0.4	21	6	23	47.4	—	50.8	—	
	Nottingham	82	t	62	19th	34	20th	55.0	40.7	47.6	+0.5	3	0.12	3	-10	Nottingham	2.4	+0.3	22	1	29	47.1	-2.1	51.4	-	

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.		*F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 20th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground	Above Building.	More than 38 m.p.h.				25 to 38 m.p.h.				13 to 24 m.p.h.				4 to 12 m.p.h.			
				Less than 4 m.p.h.				No Record.				Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
‡ Direction from the Robinson Anemometer at Falmouth Observatory.

** For Deerness the week ends at midnight on Friday.

‡ Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SECOND WEEK of 1923—October 14th to October 20th, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
	°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH .. Eastern.	61	34	51.6	41.9	46.6	+0.2	32	- 6	0	- 6	6	+ 1	1.49	38	+13	2.3	- 0.1	23	1001
1. SCOTLAND, EAST ..	60	30	51.9	41.0	46.3	- 0.1	33	- 6	3	- 5	4	0	0.47	12	- 7	3.8	+1.2	38	1004
2. ENGLAND, N.E. ..	64	28	54.9	40.2	47.3	- 1.1	42	- 5	5	+ 3	4	0	0.18	5	- 13	4.2	+1.3	40	1010
3. ENGLAND, EAST ..	68	32	50.3	41.7	48.8	- 0.6	48	- 8	1	- 3	4	0	0.55	14	- 1	3.5	+0.3	33	1013
4. MIDLAND COUNTIES ..	63	30	55.3	40.7	47.8	- 0.3	44	- 4	4	- 1	4	0	0.28	7	- 10	3.2	+0.3	31	1012
5. ENGLAND, S.E. ..	69	27	57.1	42.4	49.5	- 1.2	53	- 10	0	- 2	4	0	0.74	19	0	4.0	+0.7	38	1014
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	59	29	53.8	43.4	48.5	+0.6	45	- 2	0	- 5	6	+ 2	1.38	35	+10	—	—	—	1007
7. ENGLAND, N.W. (and North Wales)	65	32	54.3	44.1	49.1	0.0	50	- 1	0	- 2	4	0	0.62	16	- 6	3.6	+0.9	35	1010
8. ENGLAND, S.W. (and South Wales)	62	30	55.4	42.9	49.0	- 1.5	49	- 12	0	- 2	5	+ 1	0.71	18	- 7	3.5	+0.1	33	1013
9. IRELAND, NORTH ..	59	33	53.7	43.4	48.3	- 0.4	44	- 6	0	- 3	6	+ 2	0.91	23	+ 3	3.3	+0.2	31	1007
10. IRELAND, SOUTH ..	61	28	55.0	43.7	49.2	- 0.8	50	- 9	0	- 3	4	0	0.82	21	- 2	3.4	+0.2	33	1010
11. CHANNEL ISLANDS (and Scilly)	63	37	57.8	46.9	52.2	- 1.7	71	- 12	0	0	5	0	0.76	19	- 4	4.0	- 0.1	37	1014
MEAN: DISTRICTS 1-10	69	27	54.8	42.3	48.4	- 0.5	46	- 6	1	- 2	5	+ 1	0.67	17	- 3	3.6	+0.6	34	1010
THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, September 2nd to October 20th, 1923.																			
0. SCOTLAND, NORTH .. Eastern.	70	32	54.2	43.7	48.8	- 1.1	330	- 74	0	- 14	42	+ 9	10.40	264	+92	3.5	+ 0.4	29	1003
1. SCOTLAND, EAST ..	73	26	55.3	42.8	48.8	- 1.4	345	- 81	11	- 9	33	+ 7	4.53	115	+ 8	4.3	+ 0.7	36	1005
2. ENGLAND, N.E. ..	74	28	58.4	45.0	51.5	- 0.9	468	- 48	5	0	24	0	2.98	76	- 14	4.5	+ 0.5	38	1011
3. ENGLAND, EAST ..	76	32	61.0	46.2	53.3	- 0.5	553	- 34	1	- 7	26	+ 3	4.21	108	+20	4.8	+ 0.3	40	1013
4. MIDLAND COUNTIES ..	77	28	59.6	44.9	51.9	- 0.7	490	- 41	4	- 11	26	+ 3	4.15	106	+13	3.9	0.0	33	1013
5. ENGLAND, S.E. ..	76	27	61.8	47.1	54.2	- 0.7	596	- 39	0	- 6	28	+ 5	5.68	145	+41	5.3	+ 0.7	43	1014
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	71	29	56.2	44.9	50.3	- 1.2	408	- 71	0	- 9	41	+15	10.68	271	+109	—	—	—	1008
7. ENGLAND, N.W. (and North Wales)	76	31	57.3	47.1	52.0	- 1.0	492	- 47	0	- 4	35	+ 9	6.53	166	+38	4.0	+ 0.2	34	1011
8. ENGLAND, S.W. (and South Wales)	75	29	59.4	47.6	53.3	- 0.9	553	- 48	0	- 3	31	+ 5	6.90	176	+36	4.1	- 0.2	35	1014
9. IRELAND, NORTH ..	71	33	57.2	45.8	51.3	- 0.9	455	- 48	0	- 5	41	+11	7.61	193	+63	3.6	+ 0.1	31	1009
10. IRELAND, SOUTH ..	74	28	58.4	47.3	52.6	- 0.9	519	- 49	0	- 5	36	+ 9	5.87	148	+17	4.1	+ 0.1	35	1013
11. CHANNEL ISLANDS (and Scilly)	74	37	61.4	51.2	56.1	- 1.2	690	- 62	0	0	29	+ 2	6.53	165	+42	4.8	- 0.5	41	1016
MEAN: DISTRICTS 1-10..	77	26	58.5	45.9	51.9	- 0.9	488	- 51	2	- 6	32	+ 7	5.91	150	+33	4.3	+ 0.3	36	1011
THE YEAR. Aggregates, &c., for the Period of 42 Weeks, December 31st, 1922, to October 20th, 1923.																			
0. SCOTLAND, NORTH .. Eastern.	80	24	52.2	41.9	46.8	+0.1	1739	-173	317	-213	206	+12	43.92	1115	+151	3.5	0.0	26	1008
1. SCOTLAND, EAST ..	82	20	53.1	41.0	46.8	- 0.4	1841	-281	430	-174	184	+20	26.20	670	+62	3.7	- 0.4	28	1009
2. ENGLAND, N.E. ..	91	25	55.4	43.2	49.1	+0.3	2371	- 84	299	-156	151	+ 3	18.95	485	- 7	4.2	- 0.3	32	1012
3. ENGLAND, EAST ..	94	23	57.8	44.4	50.9	+0.9	2839	+22	235	-240	141	- 2	18.02	456	- 11	4.7	- 0.2	36	1014
4. MIDLAND COUNTIES ..	95	22	57.3	43.4	50.0	+0.5	2644	- 71	284	-225	155	+13	23.61	601	+79	3.9	- 0.5	29	1013
5. ENGLAND, S.E. ..	93	22	58.5	45.1	51.5	+0.5	2976	- 30	183	-180	142	+ 3	22.21	566	+53	5.0	- 0.1	38	1014
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	86	20	54.5	42.8	48.4	- 0.2	2165	-181	279	-120	196	+25	43.26	1095	+203	—	—	—	1011
7. ENGLAND, N.W. (and North Wales)	89	24	55.2	44.8	49.8	+0.3	2469	-101	185	-179	180	+24	29.23	743	+65	4.0	- 0.4	30	1013
8. ENGLAND, S.W. (and South Wales)	93	24	56.9	45.6	51.1	+0.4	2795	- 44	133	-154	163	+ 8	30.95	786	+60	4.4	- 0.5	33	1014
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	- 0.2	28	1011
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1014
11. CHANNEL ISLANDS (and Scilly)	90	32	58.3	48.8	53.3	+0.3	3331	+ 1	3	- 97	167	+ 7	26.43	670	+76	5.2	- 0.6	40	1016
MEAN: DISTRICTS 1-10 ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
	°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in	mm.	mm.	hr.	hr.	%	mb.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 43.
Vol. XL. (New Series)

Forty-Third Week.
Sunday, October 21st, to Saturday, October 27th, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), 22 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Shallow low-pressure systems dominated the weather over the British Isles during the week which was of a decidedly unsettled character. Thunderstorms occurred in many parts of the country and at a number of stations hail was reported. The winds were westerly or south-westerly in direction and reached gale force in several places. There were considerable bright periods, and although rain fell on most days (and in some places it was decidedly heavy), the total amount of sunshine for the week, over the country generally, was in excess of the normal. Among the largest amounts of rainfall recorded were 26mm. at Ford (Argyll) on the 22nd, 38mm. at St. Leonard's, 37mm. at Brighton and at Guernsey, 29mm. at Eastbourne, 27mm. at Ventnor, 26mm. at Dungeness and 25mm. at Folkestone, Tunbridge Wells and at Marchmont (Berwick) on the 23rd, 25mm. at Onich (Inverness) on the 25th and 29mm. at Seskin, Carrick-on-Suir on the 26th, while at several other places measurements of between 20 and 25mm. were registered. The total amount of rainfall for the week was in excess of the normal in all Districts. The highest

of the maximum temperatures occurred on various days and in some parts readings of 60°F. were recorded. There were no exceptionally low screen minimum temperatures registered, in fact, in some places the night temperatures were fairly high for the time of year. Ground frosts occurred in a few places, the lowest reading of the grass thermometer, 22°F., being registered at Balmoral on the 25th. The mean temperature for the week was above the normal in all Districts, the greatest excess, 4°F., being shown in England E. The departure of the mean daily duration of sunshine from the normal for the week ranged from +2.2 hours at Scilly to -0.7 hours at Stornoway, St. Leonard's and Aspatria. Double rainbows were seen at Huddersfield on the 22nd, at Ross-on-Wye on the 22nd and 23rd and at Seskin, Carrick-on-Suir on the 27th. Lunar rainbows were observed at Dublin on the 24th and at Ross-on-Wye on the 24th and 27th. Solar and lunar halos were seen on several dates in various parts of the country. The solar halos at Oxford on the 22nd, 23rd and 24th were accompanied by parhelia.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill			ENGLAND. E. Gorleston.			LONDON Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	19	12	5.4	23	9	4.2	28	15	6.8	28	13	5.7	27	15	6.9	20	14	6.4	27	13	5.7	24	11	5.1
North	5	5	2.1	0	—	—	0	—	—	0	—	—	0	—	—	1	5	2.2	0	—	—	3	8	3.7
West	11	5	2.4	20	16	7.0	21	7	3.2	20	7	3.3	22	16	7.2	25	26	11.8	23	12	5.3	23	15	6.8
East	10	8	3.7	6	4	1.9	2	5	2.2	3	3	1.4	5	9	4.2	2	10	4.3	3	6	2.5	5	6	2.7
Calm (or wind-speed < 4 m.p.h.)	4	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
			0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10 Ireland, S	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	
	Rainfall ..	Heavy	Heavy	Moderate	Heavy	Heavy	Very Heavy	Very Heavy	Heavy	Heavy	Heavy	Heavy	Very Heavy	
	Sunshine ..	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	—	Abundant	Abundant	Moderate	Abundant	Moderate	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 8 weeks from Sept. 2nd, 1923.	Warmth ..	0, 6, 2	0, 6, 2	1, 6, 1	3, 3, 2	2, 5, 1	3, 3, 2	0, 5, 3	1, 5, 2	2, 4, 2	1, 4, 3	1, 5, 2	1, 5, 2
	Rainfall ..	6, 2, 0	5, 2, 1	2, 3, 3	3, 4, 1	3, 3, 2	4, 3, 1	5, 3, 0	3, 5, 0	3, 4, 1	3, 5, 0	3, 5, 0	3, 5, 0
	Sunshine ..	3, 5, 0	6, 2, 0	2, 5, 1	2, 4, 2	1, 6, 1	5, 2, 1	—	4, 2, 2	2, 4, 2	2, 4, 2	3, 3, 2	0, 7, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.									
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.				
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Min.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal			
0. SCOTLAND, N.																											
Shetlands	Lerwick	54	t	54	23rd	38	25th	50.7	43.0	46.7	+2.4	5	0.98	25	+3	Lerwick	..	2.0	—	21	—	—	—	—	—		
Orkneys	Deerness	160	t	53	21st	40	23rd	49.4	43.0	46.1	+1.3	7	2.23	57	+36	Deerness	..	2.2	-0.3	23	—	—	—	—	—		
Hebrides	Stornoway	51	t	51	24, 25, 26	31	23rd	50.0	38.3	44.0	-0.7	7	1.08	27	-2	Stornoway	..	2.2	-0.7	23	—	—	—	—	—		
	Castlebay	37	t	53	24th	45	22nd	50.9	46.4	48.6	—	7	0.95	24	—	Castlebay	..	3.6	—	37	—	—	—	—	—		
Caithness	Wick	81	t	51	21st	36	27th	49.1	41.3	45.1	+0.7	6	1.95	49	+33												
Ross and Cromarty	Strathpeffer	125	t	52	21st	—	—	50.3	—	—	—	—	—	—	—												
	Achnashellach	225	t	52	27th	34	25th	48.8	39.3	43.9	—	7	2.51	64	—	Achnashellach	..	—	—	4	25	—	—	—	—		
Inverness	Inverness	242	t	50	23, 25, 27	36	25th	48.6	39.6	44.0	—	5	0.67	17	—	Inverness	..	2.3	—	25	0	31	—	—	—		
	Fort Augustus	68	t	53	27th	34	25th	50.1	39.1	44.4	+0.1	5	1.48	38	+16												
	Onich	48	t	51	21st	42	24th	49.9	43.9	46.8	—	7	3.63	92	—	Onich	..	1.4	—	15	0	35	—	—	—		
1. SCOTLAND, E.																											
Nairn	Nairn	82	t	53	21st	33	25th	49.9	38.9	44.2	+0.6	6	0.93	23	+10	Nairn	..	3.0	—	32	—	—	—	—	—		
Elgin	Gordon Castle	101	t	54	21st	36	22, 25	51.1	38.0	44.4	-0.3	4	0.86	22	+5	Gordon Castle	..	2.2	—	23	—	—	—	—	—		
Aberdeen	Aberdeen	46	t	53	21, 24, 25	36	27th	51.4	41.3	46.2	—	3	1.76	45	+28	Aberdeen	..	3.3	+0.5	35	2	28	—	—	48.4	-0.8	
	Balmoral	930	t	48	21, 25, 27	27	25th	47.6	35.7	41.5	+0.5	5	1.16	29	+9	Balmoral	..	—	—	4	22	—	—	—	—		
Perth	Crieff	478	t	52	21st	37	24th	50.0	39.7	44.7	+0.4	7	2.25	57	+34	(Kinc.) Crathes	..	2.2	-0.6	23	2	24	44.2	—	46.9	—	
Forfar	Dundee	147	t	54	22nd	40	24, 27	51.4	42.4	46.8	—	6	1.18	30	—	Dundee	..	3.3	—	34	0	34	46.3	—	—	—	
Fife	Inchkeith	190	t	53	21st	42	24th	50.6	44.6	47.5	—	6	0.85	22	—	Inchkeith	..	3.8	—	39	0	39	—	—	—	—	
Midlothian	Edinburgh	441	t	52	21, 25, 27	40	24th	50.3	42.4	46.2	+1.3	7	0.93	24	+10	Edinburgh	..	4.2	+1.2	43	0	36	—	—	—	—	
Peebles	West Linton	770	t	51	25, 27	—	—	49.0	—	—	—	—	1.65	42	—	West Linton	..	—	—	4	29	—	—	—	—		
Berwick	Marchmont	498	t	52	21, 25	35	24th	50.3	39.9	45.0	+1.3	7	1.86	47	+27	Marchmont	..	3.2	+0.6	33	—	—	—	—	—	—	
6a. SCOTLAND, W.																											
Argyle	Ford	149	t	53	21, 27	39	26th	50.9	42.6	46.6	—	7	3.80	96	—	Ford	..	—	—	0	35	48.6	—	—	51.2	—	
Renfrew	Renfrew	49	t	53	21st	40	24, 26	50.7	43.0	46.7	—	7	1.58	40	—	Renfrew	..	2.4	—	25	0	32	—	—	—	—	
Bute	Rothsay	200	t	53	21st	38	27th	50.3	42.3	46.2	+0.5	7	2.27	58	+33	Rothsay	..	2.7	—	28	0	38	47.6	—	50.9	-0.3	
Ayr	Kilmarnock	90	t	54	25th	42	24, 26	52.0	43.4	47.6	+3.4	7	2.05	52	+32	Kilmarnock	..	2.1	—	21	—	—	48.2	—	50.8	—	
	Colmonell	170	t	55	25th	42	24th	52.6	44.0	48.2	+2.6	7	1.88	48	+23	Colmonell	..	—	—	0	38	—	—	—	—	—	
Dumfries	Dumfries	140	t	55	22nd	37	24th	51.9	42.0	46.8	+1.7	7	2.82	72	+52	Dumfries	..	2.5	—	25	1	29	48.1	+1.1	50.5	-0.5	
	Eskdalemuir	794	t	50	21, 25	37	24th	47.9	40.1	43.9	—	7	3.43	87	—	Eskdalemuir	..	—	—	0	34	—	—	—	—	—	
6b. ISLE OF MAN.																											
I. of Man	Douglas	284	t	53	27th	42	24th	51.9	45.1	48.4	+1.7	7	2.24	57	+32	Douglas	..	3.5	+0.3	35	0	38	—	—	—	—	
2. ENGLAND, N.E.																											
Northumberland	Cockle Park	324	t	54	21st	35	26th	51.1	38.7	44.7	+0.6	7	0.96	24	+4	Cockle Park	..	3.8	+1.1	39	1	29	44.8	-0.1	47.9	-0.9	
	Tynemouth	118	t	56	21st	39	24th	53.0	43.9	48.3	+2.3	6	0.56	14	-3	Tynemouth	..	—	—	0	38	—	—	—	—	—	
Durham	Durham	336	t	54	21, 2	37	24th	51.1	40.9	45.9	+0.9	7	0.88	22	+4	Durham	..	3.1	+0.7	32	1	29	—	—	—	—	
York	Rounton	249	t	55	21st	40	24th	52.3	42.3	47.2	+2.3	7	1.22	31	+14	Rounton	..	—	—	0	33	47.7	—	—	—	—	
N. Riding	West Witton	805	t	53	21st	39	24, 25	50.3	41.0	45.5	—	7	3.04	77	—	West Witton	..	—	—	0	33	45.1	—	—	48.6	—	
	Scarborough	118	t	58	21st	41	24th	53.1	43.4	48.1	+1.0	6	0.70	18	-1	Scarborough	..	2.9	+0.3	30	—	—	—	—	50.5	—	
	York	56	t	56	21st	40	24th	53.3	43.9	48.5	+2.3	6	0.74	19	+3	York	..	2.4	+0.2	24	—	—	48.7	-0.8	51.4	-1.0	
E. Riding	Spurn Head	26	t	57	21st	44	22, 24, 26	53.9	45.3	49.5	+1.7	6	0.50	13	-1	Spurn Head	..	3.3	—	33	—	—	—	—	—	—	
Lincoln	Lincoln	58	t	59	21st	41	24, 26	55.7	44.3	49.8	+3.7	6	0.48	12	-3	Lincoln	..	—	—	0	38	47.7	-0.3	51.0	-1.5		
	Cranwell	237	t	58	21st	40	24, 26	54.9	42.9	48.7	+2.5	6	0.67	17	+2	Cranwell	..	3.7	+0.9	37	0	35	—	—	—	—	
	Skewness	—	t	—	—	—	—	—	—	—	—	—	—	—	—	Skewness	..	3.3	-0.2	33	—	—	—	—	—	—	
3. ENGLAND, E.																											
Norfolk	Cromer	196	t	59	21, 27	41	22, 24	56.4	44.0	50.0	+2.3	6	0.27	7	-8	Cromer	..	3.7	+0.8	37	—	—	—	—	—	—	
	Yarmouth	13	t	60	21st	44	22, 24, 26	57.1	45.9	51.3	+3.7	3	0.74	19	+1	Yarmouth	..	3.2	—	32	0	39	50.4	+0.4	52.3	-1.6	
	Norwich	93	t	60	27th	43	22, 24, 26	56.4	44.4	50.2	+3.5	5	0.72	18	-1	Norwich	..	3.1	—	31	0	36	47.7	—	—	—	
	Gedeston	37	t	62	27th	43	25th	58.2	45.7	51.8	+4.5	4	0.63	16	-1	Gedeston	..	3.4	+0.4	34	—	—	—	—	—	—	
Cambridge	Cambridge	41	t	59	21, 27	42	24, 26	57.0	45.0	50.8	+4.2	6	0.75	19	+5	Cambridge	..	3.9	+1.0	39	0	35	50.2	+0.5	53.1	-0.8	
Hertford	Rothamsted	420	t	56	25th	41	24, 26	54.6	44.1	49.2	+3.2	6	1.55	39	+20	Rothamsted	..	3.9	+1.1	39	0	32	48.5	—	—	—	
Middlesex	Tottenham	51	t	59	21st	46	24th	57.6	48.0	52.7	—	6	1.32	34	—	Tottenham	..	3.2	—	32	—	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	58	25th	48	22, 24, 26	56.7	49.1	52.8	+4.8	6	0.67	17	+5	Clacton-on-Sea	..	3.7	+0.6	37	0	44	51.4	-0.1	54.0	-0.7	
	Southend	90	t	60	27th	45	22, 24, 26	57.9	46.7	52.1	—	7	0.87	22	—	Southend	..	4.0	—	40	0	43	52.0	—	—	—	—
4. MIDLAND COUNTIES.																											
York	Harrogate	479	t	52	21, 25	39	24th	50.6	41.7	46.0	+1.2	7	2.15	55	+35	Harrogate	..	3.6	+1.1	36	0	34	47.3	-0.4	49.4	-0.4	
W. Riding	Sheffield	429	t	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	..	—	—	—	—	—	—	—	—	—	
Derby	Buxton	987	t	51	23rd	39	24th	49.3	41.6	45.3	+2.0	7	2.68	68	+39	Buxton	..	2.3	—	23	0	32	45.2	-0.8	49.2	-1.4	
Nottingham	Worksop (HodsckP)	56	t	58	21st	41	24th	55.9	43.6	49.6	+3.6	7	0.68	17	+2	Worksop	..	3.3	+1.1	33	0	32	47.7	—	50.1	—	
	Nottingham	82	t	57	21, 23	41	24th	55.3	44.9	50.0	+3.9	7															

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.																									
Cardigan	Aberystwyth ...	16	t	56	22, 24, 27	44	24th	54.7	48.0	51.3	—	7	2.63	67	—	Aberystwyth	2.9	—0.1	29	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	55	21st	47	24th	54.4	48.7	51.5	+1.7	7	1.89	48	+23	St. Ann's Hd.	3.5	+0.6	35	—	—	—	—	—	
Radnor	Rhayader ...	757	a	53	23, 26, 27	39	24th	51.9	43.0	47.3	—	7	3.50	89	—	Rhayader ..	3.6	—	36	0	31	—	—	—	
Glamorgan	Cardiff ...	202	p	57	24th	41	25th	55.7	45.0	50.2	+2.9	7	3.26	83	+55	Cardiff ..	3.8	—	38	0	40	50.1	+0.2	53.0	-0.8
8b. ENGLAND, S.W.																									
Somerset	Bath ...	66	h	58	21, 26	44	24th	56.9	47.7	52.2	+4.7	7	1.51	38	+19	Bath ..	3.3	+0.4	33	—	—	51.6	—	54.3	—
Dorset	Shaftesbury ...	722	a	55	23, 25, 26	43	22, 24	54.1	45.0	49.4	+2.6	7	2.04	52	+29	Shaftesbury ..	—	—	—	—	—	—	53.4	—	
Devon	Portland Bill	19	t	60	23rd	52	22, 24, 27	57.6	52.6	55.0	+4.3	7	1.93	49	+30	Weymouth ..	3.8	—	38	—	—	—	—	—	
	Arlington ...	613	a	56	21st	43	26, 27	54.4	45.1	49.6	+2.5	7	2.79	71	+33	Cullompton ...	4.0	+1.4	40	0	35	51.2	—	—	
	Cullompton ...	202	a	58	21, 22, 26	44	22, 24	57.6	48.1	51.7	+4.3	7	1.76	45	+21	Plymouth ..	4.6	+1.5	45	0	43	52.1	+0.6	55.0	—
Plymouth...		116	p	58	25, 26	47	24th	57.0	48.3	52.5	+2.9	7	1.43	36	+12	Newquay ..	4.6	+1.3	45	—	—	52.2	—	54.7	—
Cornwall	Falmouth...	167	h	57	22, 23, 26	46	22nd	56.4	48.6	52.4	+2.4	7	1.93	49	+19	Falmouth ..	5.6	+2.3	55	0	43	52.9	—	55.8	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	54	21st	39	26th	51.1	42.9	46.9	0.0	7	1.09	28	+10	Malin Head ..	3.9	—	41	—	—	—	—	—	
Mayo	Blackod Point ...	10	t	54	21st	39	24th	52.1	41.9	46.9	-0.9	7	2.19	55	+26	Blackod Point ..	—	—	—	—	—	—	—	—	
Sligo	Mallary	120	a	54	26th	42	24, 27	52.4	43.6	47.9	—	7	3.24	82	—	Mallary ..	0.0	—	0	—	—	—	—	—	
	Markree Castle ...	122	p	55	26th	35	26th	52.1	39.0	45.4	+0.2	7	1.76	45	+21	Markree Castle	2.8	-0.1	28	1	30	49.0	-1.3	52.6	-0.6
Armagh	Armagh ...	204	p	53	23, 26, 27	37	24, 26	51.9	40.6	46.1	+0.8	7	0.63	16	0	Armagh ..	3.8	+0.9	39	1	30	48.4	-1.1	51.3	-1.1
Down	Donaghadee ...	35	t	54	21, 27	39	24th	52.3	43.3	47.7	+0.9	7	1.09	28	+11	Donaghadee ..	—	—	—	—	—	—	—	—	
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	55	21st	41	26th	53.4	44.0	48.6	+1.1	7	0.88	22	+6	Trinity Coll. ...	—	—	0	33	49.6	-0.7	52.0	-0.9	
King's County	Birr Castle ...	175	t	53	22, 23, 26	38	26th	51.7	41.3	46.4	+1.1	7	1.60	41	+23	Phoenix Park ..	4.5	+1.3	45	0	36	—	—	—	
Kilkenny	Kilkenny ...	195	a	56	26th	35	24, 26	53.7	40.1	46.7	+0.7	5	1.50	38	+19	Dublin City ..	—	—	0	35	—	—	—	—	
Waterford	Waterford	137	a	55	22, 23, 26	38	24th	54.1	42.9	48.3	+1.0	7	1.76	45	+21	Birr Castle ..	4.1	+1.1	41	1	28	—	—	—	
	Seskin, Carrick-on-Suir	542	p	53	22, 26	40	22, 24, 26	52.0	41.1	46.4	—	7	2.69	68	—	Seskin ..	4.1	—	41	—	—	—	—	—	
Limerick	Foynes ...	50	a	54	22, 26	38	26th	52.7	42.6	47.5	+0.1	7	1.85	47	+24	Cahiriveen	3.3	+0.2	33	0	37	—	—	—	
Kerry	Cahiriveen (Val.O.)	30	t	53	22, 24	40	24th	52.1	45.0	48.5	-0.7	7	2.64	67	+33	(Valencia O.)	—	—	—	—	—	—	—	—	
Killarney	Killarney ...	174	a	55	22, 24, 26	41	21, 26, 27	54.1	42.9	48.3	+0.5	7	2.80	71	+38	Ballinacurra	4.8	+1.8	48	—	—	—	—	—	
	Roche's Point ...	32	t	55	22nd	42	24, 26	53.7	45.4	49.4	+0.4	7	2.29	58	+33	—	—	—	—	—	—	—	—		
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's ...	131	t	57	26th	47	22, 26	55.7	49.4	52.5	+0.3	7	1.31	33	+9	St. Mary's ..	5.5	+2.2	54	—	—	—	—	—	
Guernsey	Grange ...	173	p	60	25th	47	22nd	58.3	49.4	53.7	+1.5	6	3.30	84	+54	Grange	3.4	-0.1	33	0	39	53.4	-0.3	56.2	-0.8
Jersey	St. Aubins ...	25	t	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, October 27th, 1923.

DISTRICT COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.					Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed	Mid Time.	Speed	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s	d	hr.	m.p.h	m/s	d	h	m.		
Shetlands Lerwick ...	310	42	+	27	1	21, 24, 26, 27	30	44	48	41	4	140	39	17	27	16	55	25	27	16	20		
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	20, 21	23	30	87	28	0	160	33	15	21	1	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	+	—	0	21, 27	6	62	82	18	0	130	33	15	27	9	46	21	27	9	0		
Edinburgh Edinburgh ...	485	39	31	—	0	21, 22, 25	12	123	25	8	0	240	29	13	25	20	49	22	22	20	30		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	59	107	2	0	150	21	9	21	4	47	21	27	13	55		
Dumfries Eskdalemuir ...	825	50	22	—	0	21 to 23, 25 to 27	20	107	39	2	0	240	33	15	23	1	49	22	25	17	15		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	23, 27	6	67	82	13	0	170	28	13	27	23	47	21	27	21	35		
York, E.R. Spurn Head ...	67	41	+	—	0	21, 25 to 27	38	125	5	0	0	170	35	16	27	22	43	21	26	11	0		
Lincoln Cranwell ...	280	43	31	—	0	22, 26, 27	7	156	15	0	0	210	29	13	22	10	39	16	22	10	20		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	+	—	0	21, 23, 26, 27	25	97	46	0	0	180	32	14	26	8	61	27	26	9	0		
Essex Shoeburyness...	103	40	+	—	0	21, 23, 26, 27	43	124	1	0	0	—	38	17	26	7	51	23	26	7	55		
5. ENGLAND, S.E.																							
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	77	90	1	0	170	19	9	26	6	46	20	26	6	45		
Kent Lympne ...	409	70	+	—	0	21 to 27	56	98	14	0	0	210	38	17	23	13	57	25	23	13	55		
Surrey Croydon ...	284	40	24	—	0	—	0	128	40	0	0	230	24	11	26	12	46	21	26	6	5		
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	26, 27	3	136	28	0	1	170	25	11	27	5	45	20	27	5	20		
Hampshire S. Farnboro' (Fyck Tr.)...	444	160	—	—	0	21 to 27	60	108	0	0	0	180	36	16	27	6	60	27	27	6	10		
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	21 to 27	84	8	2	0	0	210	37	17	27	19	52	23	27	19	15		
7a. ENGLAND, N.W.																							
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	0	21 to 23, 26, 27	34	130	4	0	0	250	34	15	22	10	—	—	—	—	—		
Lancashire Southport ...	80	62	48	—	0	21 to 23, 25 to 27	47	106	15	0	0	110	37	17	22	19	54	24	22	17	20		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	+	26, 27	3	21 to 27	54	111	0	0	0	130	39	17	26	24	26 24	68	30	27	16	8	
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	21, 26, 27	20	21, 23 to 27	45	93	1	0	9	140	54	24	27	14	74	33	27	0	40		
Cornwall Pendennis Castle ...	256	65	24	21, 23, 26, 27	24	21 to 27	75	69	0	0	0	200	57	25	27	13	75	33	27	13	0		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	21 to 27	40	95	32	1	0	160	34	15	27	13	—	—	—	—	—		
Clare Quilty ...	100	40	+	—	0	21 to 26	25	123	20	0	0	—	30	14	25	8	59	26	25	10	50		
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	23 to 27	16	143	9	0	0	160	34	15	26	17	61	27	26	16	5		
Cork Weaver Pt. ...	160	30	+	26, 27	3	24 to 27	25	111	29	0	0	—	39	17	27	9	64	29	26	19	45		
11a. SCILLY ISLES.																							
Scilly St. Mary's	150	32	+	25 to 27	9	21 to 27	128	20	0	0	11	190	45	20	27	11	67	30	26	21	20		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FORTY-THIRD WEEK of 1923—October 21st to October 27th, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal									Below 42°
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		54	31	49.8	40.8	45.1	+0.8	25	- 4	6	- 7	6	+ 1	1.94	49	+21	2.2	- 0.3	23	976
Eastern.																				
1. SCOTLAND, EAST ..		54	27	50.1	39.7	44.8	+0.7	26	- 2	6	- 7	6	+ 2	1.41	36	+18	3.2	+0.6	33	978
2. ENGLAND, N.E. ..		59	35	53.2	42.8	47.9	+1.8	41	+ 6	0	- 6	6	+ 2	0.75	19	+ 1	3.2	+0.6	32	985
3. ENGLAND, EAST ..		62	41	56.7	45.8	51.1	+4.0	64	+22	0	- 6	5	+ 1	0.83	21	+ 5	3.6	+0.7	36	992
4. MIDLAND COUNTIES		59	38	54.6	44.2	49.3	+3.3	51	+15	0	- 9	7	+ 3	1.41	36	+19	3.2	+0.7	32	988
5. ENGLAND, S.E. ..		62	40	57.2	47.4	52.1	+3.6	71	+22	0	- 4	7	+ 3	2.11	53	+31	3.4	+0.4	34	992
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	37	51.5	43.2	47.2	+1.7	36	+ 1	0	- 9	7	+ 3	2.38	60	+34	—	—	—	979
7. ENGLAND, N.W. (and North Wales)		56	36	52.7	44.9	48.7	+1.9	47	+ 9	0	- 5	7	+ 3	1.85	47	+24	3.0	+0.4	30	983
8. ENGLAND, S.W. (and South Wales)		60	39	55.6	47.0	51.2	+2.7	64	+15	0	- 4	7	+ 2	2.20	56	+29	4.0	+1.1	40	989
9. IRELAND, NORTH ..		55	35	51.9	41.5	46.6	+0.4	34	- 3	1	- 6	7	+ 3	1.39	35	+13	3.3	+0.4	33	978
10. IRELAND, SOUTH ..		56	35	53.2	43.0	48.0	+0.5	42	- 2	0	- 6	7	+ 3	1.91	49	+25	4.2	+1.1	42	982
11. CHANNEL ISLANDS (and Scilly)		60	47	57.4	49.4	53.3	+1.1	79	+ 7	0	0	6	+ 1	2.64	67	+39	4.1	+0.7	40	992
MEAN: DISTRICTS 1-10		62	27	53.7	43.9	48.7	+2.1	48	+ 8	1	- 6	7	+ 3	1.62	41	+20	3.5	+0.7	35	985
THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, September 2nd to October 27th, 1923.																				
0. SCOTLAND, NORTH ..		70	31	53.6	43.3	48.3	- 0.9	355	- 78	3	-21	48	+10	12.34	313	+113	3.3	+ 0.3	28	1000
Eastern.																				
1. SCOTLAND, EAST ..		73	26	54.7	42.5	48.3	- 1.2	371	- 83	17	-16	39	+ 9	5.94	151	+26	4.1	+ 0.6	36	1002
2. ENGLAND, N.E. ..		74	28	57.8	44.7	51.0	- 0.6	509	- 42	5	- 6	30	+ 2	3.73	95	- 13	4.3	+ 0.4	37	1007
3. ENGLAND, EAST ..		76	32	60.4	46.2	53.0	0.0	617	- 12	1	-13	31	+ 4	5.04	129	+25	4.6	+ 0.3	40	1011
4. MIDLAND COUNTIES		77	28	59.0	44.8	51.6	- 0.1	541	- 26	4	-20	33	+ 6	5.56	142	+32	3.8	+ 0.1	33	1010
5. ENGLAND, S.E. ..		76	27	61.3	47.1	53.9	- 0.2	667	- 17	0	-10	35	+ 8	7.79	198	+72	5.0	+ 0.5	43	1011
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		71	29	55.6	44.7	49.9	- 0.8	444	- 70	0	-18	48	+18	13.06	331	+143	—	—	—	1005
7. ENGLAND, N.W. (and North Wales)		76	31	56.7	46.8	51.6	- 0.6	539	- 38	0	- 9	42	+12	8.38	213	+62	3.9	+ 0.2	33	1008
8. ENGLAND, S.W. (and South Wales)		75	29	58.9	47.5	53.0	- 0.5	617	- 33	0	- 7	38	+ 7	9.10	232	+65	4.1	0.0	35	1011
9. IRELAND, NORTH ..		71	33	56.5	45.3	50.7	- 0.8	489	- 51	1	-11	48	+14	9.00	228	+76	3.6	+ 0.2	31	1005
10. IRELAND, SOUTH ..		74	28	57.7	46.7	52.0	- 0.7	561	- 51	0	-11	43	+12	7.78	197	+42	4.1	+ 0.2	35	1009
11. CHANNEL ISLANDS (and Scilly)		74	37	61.0	51.0	55.7	- 1.0	769	- 55	0	0	35	+ 3	9.17	232	+81	4.8	- 0.3	41	1013
MEAN: DISTRICTS 1-10..		77	26	57.9	45.6	51.5	- 0.5	535	- 42	3	-12	39	+ 9	7.54	192	+53	4.2	+ 0.3	36	1008
THE YEAR. Aggregates, &c., for the Period of 43 Weeks, December 31st, 1922, to October 27th, 1923.																				
0. SCOTLAND, NORTH ..		80	24	52.2	41.9	46.8	+0.2	1764	-177	320	-220	212	+13	45.86	1164	+172	3.5	0.0	26	1007
Eastern.																				
1. SCOTLAND, EAST ..		82	20	53.0	41.0	46.8	- 0.3	1867	-283	436	-181	190	+22	27.61	706	+80	3.7	- 0.4	28	1009
2. ENGLAND, N.E. ..		91	25	55.3	43.2	49.0	+0.2	2412	- 78	299	-162	157	+ 5	19.70	504	- 6	4.2	- 0.3	32	1012
3. ENGLAND, EAST ..		94	23	57.8	44.5	50.9	+1.0	2903	+44	235	-246	146	- 1	18.85	477	- 6	4.7	- 0.2	36	1013
4. MIDLAND COUNTIES		95	22	57.2	43.4	50.0	+0.6	2695	- 56	284	-234	162	+16	25.02	637	+98	3.8	- 0.5	29	1013
5. ENGLAND, S.E. ..		93	22	58.4	45.2	51.5	+0.5	3047	- 8	183	-18	149	+ 6	24.32	619	+84	4.9	- 0.2	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.4	42.8	48.4	- 0.1	2201	-180	279	-129	203	+28	45.64	1155	+237	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		89	24	55.1	44.8	49.7	+0.2	2516	- 92	185	-184	187	+27	31.08	790	+89	4.0	- 0.4	30	1012
8. ENGLAND, S.W. (and South Wales)		93	24	56.9	45.6	51.1	+0.5	2859	- 29	133	-158	170	+10	33.15	842	+89	4.4	- 0.4	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.3	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly)		90	32	58.2	48.8	53.3	+0.3	3410	+ 8	3	- 97	173	+ 8	29.07	737	+115	5.1	- 0.7	40	1015
MEAN: DISTRICTS 1-10..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 44.
Vol. XL (New Series)

FORTY-FOURTH WEEK.

SUNDAY, OCTOBER 28TH, TO SATURDAY, NOVEMBER 3RD, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the British Islands, as a whole, there was a continuance of the unsettled conditions which have prevailed for several weeks past. There were very bright intervals (some places having daily amounts of sunshine of between 7 and 8 hours,) but rain fell on several days, and at a few stations, notably in Scotland, the measurements were large. Snow or sleet occurred at the end of the week at a few places in the northern parts of the country, and in some parts thunder and hail were reported. The winds were mainly westerly or south-westerly in direction, and in places reached the force of a gale. Among the largest amounts of rainfall recorded were 29mm. at Mallarany (Mayo) on October 29th, 33mm. at Onich (Inverness), 24mm. at Rothesay (Bute) and 22mm. at Lerwick on November 2nd, while the measurements on October 29th and November 2nd at Achnashellach (Ross-shire) were 36mm. and 39mm., at Eskdalemuir 32mm. and 22mm. and at Ford (Argyll) 27mm. and 33mm. respectively. The total amount of rainfall for the week was above the normal in Scotland N., Scotland W. and Ireland N., about normal in

England N.W., but in the other Districts it was below normal. Maximum temperatures of 60°F. or slightly above were registered, the actual highest reading, 65°F., being recorded at Cromer on November 3rd. The lowest of the screen minima occurred during the latter half of the week, the lowest reading, 29°F., being registered at Balmoral on November 2nd. There were ground frosts locally, and at one or two stations grass temperatures slightly below 25°F. occurred. The mean temperature for the week was above the normal in all parts of the country, the average excess being about 2° or 3°F. Mist or fog was reported in several places. The departure of the mean daily duration of sunshine from the normal for the week ranged from +3.5 hours at Cranwell to -1.0 hours at Newton Rigg, Birr Castle and Cahirciveen (Valencia Observatory). A double rainbow was seen at Huddersfield on November 3rd. Solar halos were observed at Oxford, Tenbury (Worcester) and Ross-on-Wye on October 29th and at Clacton on November 3rd. A lunar halo was seen at Oxford on October 28th. A perihelion was observed at Oxford on October 29th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahirciveen.			
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.					
					m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s					
South	...	...	27	12	5.2	23	11	4.9	19	11	5.0	19	9	4.2	24	13	5.8	11	14	6.3	25	10	4.4	19	11	4.8	25	10	4.4	19	11	4.8			
North	...	...	1	3	1.4	2	5	2.2	2	2	1.1	0	—	—	2	6	2.8	13	7	3.0	1	3	1.5	7	7	3.2	1	3	1.5	7	7	3.2			
West	...	...	20	9	4.0	28	16	7.0	17	6	2.9	17	5	2.4	24	13	6.0	20	17	7.6	25	14	6.4	21	15	6.8	25	14	6.4	21	15	6.8			
East	...	...	7	7	3.2	0	—	—	1	1	0.6	0	—	—	1	1	0.4	1	5	2.1	2	5	2.1	5	3	1.3	2	5	2.1	5	3	1.3			
Calm (or wind- speed < 4 m.p.h.)				0	—	—	0	—	—	7	—	—	8	—	—	0	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—		
No record				...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—	

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland. N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).
Comparison with the normal for the time of year ..	Warmth ..	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual
	Rainfall ..	Very Heavy	Moderate	Light	Moderate	Light	Light	Heavy	Moderate	Light	Moderate	Moderate	Moderate
	Sunshine ..	Abundant	Very Abundant	Abundant	Moderate	Moderate	Moderate	—	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 9 weeks from Sept. 2nd, 1923.	DISTRICTS OF THE BRITISH ISLES.												
	SCOTLAND.			ENGLAND.			SCOTLAND.			ENGLAND.			
	North.	East.	West.	North.	East.	West.	North.	East.	West.	North.	East.	West.	
Warmth ..	1, 6, 2	1, 6, 2	2, 6, 1	4, 3, 2	3, 5, 1	4, 3, 2	1, 5, 3	2, 5, 2	2, 5, 2	2, 4, 3	1, 6, 2	2, 5, 2	
Rainfall ..	7, 2, 0	5, 3, 1	2, 3, 4	3, 5, 1	3, 3, 3	4, 3, 2	6, 3, 0	3, 6, 0	3, 4, 2	3, 6, 0	3, 6, 0	3, 6, 0	
Sunshine ..	4, 5, 0	7, 2, 0	3, 5, 1	2, 5, 2	1, 7, 1	5, 3, 1	—	4, 3, 2	2, 5, 2	2, 5, 2	3, 4, 2	0, 8, 1	

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *β* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *β* for 24 hours ending in the evening. From April 1st, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 0h. to 17h. and 17h. to 0h. respectively. † Temperatures recorded on a Glacier stand. ‡ Barth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.		*F.													
Cardigan	Aberystwyth ...	16	h	59	29th	45	1, 2	55.3	47.7	51.4	—	5	0.74	19	—	Aberystwyth	2.3	- 0.4	24	—	—	—	—	—	—
Pembroke	St. Ann's Hd. ...	149	t	56	3rd	45	1st	54.1	49.0	51.5	+1.9	5	0.67	17	- 10	St. Ann's Hd.	3.2	+0.6	33	—	—	—	—	—	—
Radnor	Rhayader... ..	757	a	56	30th	37	2nd	53.0	42.9	47.8	—	6	0.86	22	—	Rhayader ..	2.1	—	22	2	28	—	—	—	
Glamorgan	Cardiff	202	p	57	30th	42	2nd	55.4	45.7	50.4	+3.7	6	0.54	14	- 15	Cardiff ..	3.2	—	33	0	32	49.6	+1.6	52.2	- 0.4
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	58	29th	35	1, 2	55.9	42.7	49.1	+2.2	5	0.23	6	- 14	Bath ..	2.1	- 0.4	22	—	—	50.5	—	53.6	—
Dorset	Shaftesbury ...	722	a	54	28, 31, 3	39	2nd	53.0	42.4	47.5	+1.3	4	0.37	9	- 15	Shaftesbury ..	—	—	—	—	—	—	—	—	—
	Portland Bill ...	19	t	57	28-30, 3	47	1, 2	55.9	50.9	53.3	+2.9	4	0.26	7	- 13	Weymouth ..	2.8	—	29	—	—	—	—	—	—
Devon	Arlington	613	a	55	30th	37	1st	53.4	44.4	48.8	+2.0	7	0.06	24	- 16	Cullompton ..	2.7	+0.4	28	4	27	50.0	—	—	—
	Cullompton	202	a	57	28, 30, 3	35	1st	56.0	41.3	48.4	+1.4	5	0.24	6	- 19	Plymouth ..	3.1	+0.4	32	0	35	51.0	+1.1	54.2	—
	Plymouth... ..	116	p	59	28th	41	1, 2	56.6	45.9	51.1	+1.8	6	0.33	8	- 17										
Cornwall	Newquay	190	h	57	30th	40	1st	54.5	47.0	50.6	+0.4	5	0.31	8	- 17	Newquay ..	4.0	+1.1	41	—	—	51.5	—	53.9	—
	Falmouth... ..	167	h	57	28, 3	42	1st	55.9	46.9	51.3	+1.4	5	0.67	17	- 16	Falmouth ..	4.3	+1.4	44	0	34	51.8	—	55.0	—
9. IRELAND, N.																									
Donegal	Malin Head ...	71	t	58	30th	43	1st	52.9	46.1	49.4	+2.2	6	1.10	28	+ 8	Malin Head ..	2.6	—	28	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	55	28, 29	39	28th	53.7	44.1	48.8	+0.7	6	1.34	34	+ 2										
	Mallarany	120	a	55	29, 2	41	28, 2	53.6	44.7	49.0	—	6	3.09	79	—	Mallarany ..	0.3	—	4	—	—	—	—	—	—
Sligo	Markree Castle ...	122	p	59	30th	35	2nd	55.4	41.7	48.4	+3.1	5	1.08	27	+ 1	Markree Castle	2.1	- 0.3	22	1	31	48.6	+0.1	51.0	- 1.2
Armagh	Armagh	204	p	59	30th	37	2nd	53.9	41.9	47.7	+2.3	7	1.19	30	+13	Armagh ..	2.6	+0.2	28	0	33	48.2	+0.5	50.2	- 1.0
Down	Donaghadee ...	35	t	57	30th	37	2nd	53.9	43.9	48.8	+1.9	6	0.61	16	- 3										
10. IRELAND, S.																									
Dublin	Dublin City ...	54	p	60	29, 30	39	2nd	55.3	44.1	49.5	+1.7	4	0.27	7	- 9	Trinity Coll.	—	+0.1	31	0	32	49.4	+0.7	51.1	- 0.6
King's County	Birr Castle ...	175	t	58	29th	36	2nd	53.6	44.0	48.7	+3.3	5	0.84	21	+ 3	Phoenix Park	2.9	—	—	—	—	—	—	—	—
Kilkenny	Kilkenny	195	a	57	29, 30	32	2nd	54.9	40.3	47.4	+1.3	6	0.52	13	- 6	Dublin City ..	1.6	- 1.0	17	0	34	—	—	—	—
Waterford	Waterford	137	a	57	29th	37	2nd	55.4	42.3	48.7	+1.4	6	0.65	17	- 6	Birr Castle ..	—	—	—	1	29	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	57	29th	37	2nd	53.3	41.6	47.3	—	6	0.57	14	—	Seskin ..	1.6	—	17	0	33	—	—	—	—
Limerick	Foynes	50	a	61	29th	41	2nd	55.6	44.7	50.0	+2.4	6	0.94	24	+ 1										
Kerry	Cahiriveen (Val.O.)	30	t	57	29th	46	2nd	54.6	48.9	51.7	+2.1	6	1.22	31	- 2	Cahiriveen	1.6	- 1.0	17	0	39	—	—	—	—
	Killarney	174	a	59	29, 30	40	2nd	56.8	45.3	50.9	+2.8	6	1.13	29	- 4	(Valencia O.)	—	—	—	—	—	—	—	—	—
Cork	Roche's Point ...	32	t	57	3rd	41	31st	54.1	46.1	50.0	+0.8	7	0.78	20	- 5	Ballinacurra	2.5	0.0	26	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	56	30, 31, 3	46	1st	55.1	49.3	52.1	+0.7	5	0.50	13	- 7	St. Mary's ..	3.4	+0.3	35	—	—	—	—	—	—
Guernsey	Grange	173	p	59	28, 29, 30	46	2nd	56.9	49.7	53.2	+1.8	5	0.77	20	- 5	Grange ..	2.8	- 0.2	29	0	38	52.5	+0.4	55.4	- 0.4
Jersey	St. Aubins	25	t	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, November 3rd, 1923.

DISTRICT COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.								
	Above Mean Sea Level	Above Ground	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.	
Shetlands	310	42	†	31	1	28, 30 to 2	61	85	18	3	0	230	39	17	31	11	57	25	31	11	15	
Orkneys	188	16	5	—	0	27, 28, 1.	19	102	45	2	0	120	30	13	27	13	—	—	—	—	—	
1. SCOTLAND, E.																						
Aberdeen	72	42	†	—	0	28, 3	7	65	88	8	0	270	30	13	3	12	57	25	3	12	30	
Edinburgh	485	39	31	—	0	28 to 31, 2, 3	46	94	28	0	0	210	35	16	29	18	64	29	3	11	35	
6a. SCOTLAND, W.																						
Renfrew	188	81	15	—	0	3	1	73	88	6	0	260	27	12	3	5	64	29	3	16	15	
Dumfries	825	50	22	—	0	29, 30, 2, 3	44	76	29	19	0	190	38	17	30	5	66	29	3	16	0	
2. ENGLAND, N.E.																						
Durham	72	61	12	3	1	28, 30, 3	22	57	83	5	0	270	40	18	3	14	63	28	3	12	20	
York, E.R.	67	41	†	—	0	28 to 30, 3	41	63	52	12	0	280	37	17	3	16	54	24	3	13	40	
Lincoln	280	43	31	—	0	3	8	79	(50)	(31)	0	250	28	13	3	13	35	16	3	13	40	
3. ENGLAND, E.																						
Norfolk	52	42	†	—	0	—	0	65	58	45	0	200	23	10	30	1	37	17	3	10	20	
Essex	103	90	†	—	0	30, 3	10	74	24	0	60	—	29	13	3	4	43	19	3	15	15	
5. ENGLAND, S.E.																						
Surrey	82	65	22	—	0	—	0	41	64	63	0	240	16	7	3	13	33	15	29	13	55	
Kent	409	70	†	—	0	29, 30, 3	18	70	76	4	0	260	31	14	3	12	44	20	3	12	0	
Surrey	284	40	24	—	0	—	0	65	68	3	0	250	21	9	3	13	40	18	3	13	0	
Hampshire	811	42	†	—	0	—	0	55	(90)	(22)	1	270	22	10	3	20	39	17	3	20	15	
Hampshire	444	160	—	—	0	29, 30, 2, 3	17	82	37	28	4	240	30	13	3	12	47	21	3	11	30	
Wiltshire	513	63	43	—	0	28 to 30, 3	34	72	(62)	(0)	0	210	31	14	30	12	41	18	3	12	15	
7a. ENGLAND, N.W.																						
Lancashire	109	44	—	3	7	28, 29, 3	19	94	44	4	0	250	44	20	3	23	—	—	—	—	—	
Lancashire	80	62	48	3	12	28, 29, 2, 3	23	81	48	4	0	270	45	20	3	24	53	26	3	23	10	
7b. NORTH WALES.																						
Anglesey	64	45	†	3	3	28 to 30, 3	42	86	36	1	0	260	40	18	3	24	56	25	3	23	30	
8b. ENGLAND, S.W.																						
Devon	185	88	2	—	0	29, 30, 3	32	42	78	16	0	—	38	17	29	18	48	21	29	18	45	
Cornwall	266	65	24	—	0	28 to 30, 3	40	48	69	6	5	200	37	17	30	11	50	22	29	15	25	
10. IRELAND, S.																						
Dublin	49	27	—	3	6	29, 30, 2, 3	24	89	49	0	0	240	45	20	3	9	—	—	—	—	—	
Clare	100	40	†	—	0	28, 29, 3	32	99	37	0	0	—	31	14	3	19	51	23	3	16	25	
Kerry	98	41	†	—	0	29, 30, 3	19	96	49	4	0	190	30	13	29	23	47	21	3	9	25	
Cork	160	30	†	—	0	29, 30, 3	11	80	60	17	0	—	28	13	29	12	45	20	30	4	20	
11a. SCILLY ISLES.																						
Scilly	150	32	†	—	0	28 to 30, 1 to 3	79	36	35	1	17	270	38	17	3	12	49	22	3	17	25	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FORTY-FOURTH WEEK of 1923—October 28th to November 3rd, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
		Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	
0. SCOTLAND, NORTH .. Eastern.		57	33	50.9	43.7	47.1	+3.1	36	+12	0	-10	6	+1	2.55	65	+32	2.7	+1.0	30	997
1. SCOTLAND, EAST ..		60	29	52.6	41.7	47.0	+3.2	36	+11	1	-12	5	0	0.63	16	-6	4.3	+2.3	47	1000
2. ENGLAND, N.E. ..		61	33	54.9	43.4	48.9	+2.8	48	+13	0	-6	4	0	0.23	6	-9	3.7	+1.5	39	1009
3. ENGLAND, EAST ..		65	34	55.3	44.3	49.7	+2.7	54	+13	0	-5	3	-1	0.34	9	-7	2.5	-0.1	26	1013
4. MIDLAND COUNTIES ..		62	34	54.9	42.9	48.7	+2.9	47	+12	0	-8	4	0	0.21	5	-13	2.3	+0.1	24	1012
5. ENGLAND, S.E. ..		59	30	55.6	44.7	50.0	+1.6	56	+8	0	-3	4	0	0.45	11	-12	2.5	-0.3	26	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		57	30	52.8	43.6	48.1	+2.3	43	+10	0	-7	6	+1	1.85	47	+15	—	—	—	1004
7. ENGLAND, N.W. (and North Wales)		63	38	54.0	45.4	49.6	+2.9	53	+15	0	-5	6	+1	0.95	24	0	1.8	-0.3	20	1009
8. ENGLAND, S.W. (and South Wales)		59	35	54.9	45.2	49.9	+1.7	55	+8	0	-3	5	0	0.51	13	-16	3.0	+0.5	31	1013
9. IRELAND, NORTH ..		59	35	53.9	43.6	48.6	+2.3	46	+11	0	-5	6	+1	1.03	26	+2	2.3	-0.1	25	1005
10. IRELAND, SOUTH ..		61	32	55.0	44.5	49.6	+2.0	53	+10	0	-4	6	+1	0.79	20	-4	2.2	-0.5	23	1011
11. CHANNEL ISLANDS (and Scilly)		59	46	56.3	49.6	52.8	+1.1	76	+8	0	0	5	0	0.68	18	-6	3.0	-0.1	31	1016
MEAN: DISTRICTS 1-10		65	29	54.4	43.9	49.0	+2.4	49	+11	0	-6	5	0	0.70	18	-5	2.7	+0.3	29	1009
THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, September 2nd to November 3rd, 1923.																				
0. SCOTLAND, NORTH .. Eastern.		70	31	53.3	43.4	48.2	-0.4	391	-66	3	-31	54	+11	14.89	378	+145	3.2	+0.3	29	999
1. SCOTLAND, EAST ..		73	26	54.5	42.4	48.2	-0.6	407	-72	18	-28	44	+9	6.57	167	+20	4.1	+0.8	37	1002
2. ENGLAND, N.E. ..		74	28	57.5	44.6	50.8	-0.2	557	-29	5	-12	34	+2	3.96	101	-22	4.2	+0.5	37	1008
3. ENGLAND, EAST ..		76	32	59.9	46.0	52.6	+0.3	671	+1	1	-18	34	+3	5.38	138	+18	4.4	+0.3	39	1011
4. MIDLAND COUNTIES ..		77	28	58.5	44.6	51.3	+0.2	588	-14	4	-28	37	+6	5.77	147	+19	3.7	+0.2	32	1010
5. ENGLAND, S.E. ..		76	27	60.6	46.9	53.5	0.0	723	-9	0	-13	39	+8	8.24	209	+60	4.8	+0.5	42	1012
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		71	29	55.3	44.6	49.7	-0.5	487	-60	0	-25	54	+19	14.91	378	+158	—	—	—	1005
7. ENGLAND, N.W. (and North Wales)		76	31	56.4	46.6	51.4	-0.2	592	-23	0	-14	48	+13	9.33	237	+62	3.7	+0.2	32	1008
8. ENGLAND, S.W. (and South Wales)		75	29	58.5	47.3	52.7	-0.2	672	-25	0	-10	43	+7	9.61	245	+49	4.0	0.0	35	1011
9. IRELAND, NORTH ..		71	33	56.3	45.1	50.5	-0.4	535	-40	1	-16	54	+15	10.03	254	+78	3.5	+0.2	30	1005
10. IRELAND, SOUTH ..		74	28	57.4	46.5	51.8	-0.3	614	-41	0	-15	49	+13	8.57	217	+38	3.9	+0.1	34	1009
11. CHANNEL ISLANDS (and Scilly)		74	37	60.4	50.8	55.4	-0.7	845	-47	0	0	40	+3	9.85	250	+75	4.6	-0.3	40	1014
MEAN: DISTRICTS 1-10..		77	26	57.5	45.5	51.3	-0.2	585	-31	3	-18	44	+9	8.24	209	+48	4.0	+0.3	35	1008
THE YEAR. Aggregates, &c., for the Period of 44 Weeks, December 31st, 1922, to November 3rd, 1923.																				
0. SCOTLAND, NORTH .. Eastern.		80	24	52.1	41.9	46.8	+0.2	1800	-165	320	-230	218	+14	48.41	1229	+204	3.5	0.0	26	1007
1. SCOTLAND, EAST ..		82	20	53.0	41.0	46.8	-0.2	1903	-272	437	-193	195	+22	28.24	722	+74	3.7	-0.4	28	1008
2. ENGLAND, N.E. ..		91	25	55.3	43.2	49.0	+0.3	2460	-65	299	-168	161	+5	19.93	510	-15	4.2	-0.2	32	1012
3. ENGLAND, EAST ..		94	23	57.8	44.5	50.8	+0.9	2957	+57	235	-251	149	-2	19.19	486	-13	4.7	-0.1	36	1013
4. MIDLAND COUNTIES ..		95	22	57.1	43.4	50.0	+0.7	2742	-44	284	-242	166	+16	25.23	642	+85	3.8	-0.5	29	1013
5. ENGLAND, S.E. ..		93	22	58.4	45.2	51.5	+0.6	3103	0	183	-187	153	+6	24.77	630	+72	4.9	-0.1	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	20	54.3	42.9	48.4	0.0	2244	-170	279	-136	209	+29	47.49	1202	+252	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		89	24	55.1	44.8	49.7	+0.3	2569	-77	185	-189	193	+28	32.03	814	+89	3.9	-0.4	30	1012
8. ENGLAND, S.W. (and South Wales)		93	24	56.9	45.6	51.0	+0.4	2914	-21	133	-161	175	+10	33.66	855	+73	4.3	-0.5	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	-0.3	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly)		90	32	58.2	48.8	53.3	+0.4	3486	+16	3	-97	178	+8	29.75	755	+109	5.1	-0.6	40	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 181

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Vol. XL. (New Series) }

FORTY-FIFTH WEEK.

SUNDAY, NOVEMBER 4TH, TO SATURDAY, NOVEMBER 10TH, 1923.

Price 9d. Net, Post free 9d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather was again changeable and unsettled. Rain fell in most places, and in many parts of the country snow and hail occurred. "Snow lying" to a depth of 4 inches was recorded at Achnashellach (Ross-shire) and to 2 inches at Buxton. Thunder-storms or thunder only were reported in several places. The week was notable for the exceptionally low temperatures recorded in many parts of the British Isles (especially after Monday). On one or two days temperature did not rise above 40°F., and at a few stations the day maxima were slightly lower. The highest temperatures occurred on the first day of the week in most parts of England, and in many places readings varying between 50° and 55°F. were registered. There were one or two nights which were exceptionally cold for the time of year, and in some parts screen minima round about 20°F. were recorded, the lowest readings, 18°F., being registered at Tenbury (Worcester), at Marlborough (Wilts), and at Rhayader (Radnor) on the 8th. Ground frosts occurred in nearly all parts of the country, and in one or two places the readings of the grass thermometer were as low as 10°F. The

mean temperature for the week was decidedly below the normal in all Districts, the average deficit being between 5° and 6°F. Among the largest measurements of precipitation were 18mm. at Colmonell (Ayr) and at West Witton (N. Riding) on the 4th, 19mm. at Guernsey on the 5th, 35mm. at Stornoway on the 7th, and 33mm. at Geldeston (near Beccles), 27mm. at Felixstowe, 25mm. at Norwich, 22mm. at Southend, 21mm. at Yarmouth, 20mm. at Clacton and Shoeburyness, and 18mm. at Tunbridge Wells on the 8th. The total amount for the week was below the normal in most Districts. Although there was a good deal of mist or fog in various parts of the country, the total amount of sunshine for the week was in excess of the normal at all stations. The departure of the mean daily duration of sunshine from the normal for the week ranged from +3.2 hours at Douglas (Isle of Man) to +0.4 hour at Marchmont (Berwick). A double rainbow was seen at Oxford on the 10th. Solar halos were observed at Clacton on the 5th, at South Farnborough on the 5th and 6th, and at Oxford on the 5th, 6th and 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
				Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
				m.p.h. m/s			m.p.h. m/s			m.p.h. m/s			m.p.h. m/s			m.p.h. m/s			m.p.h. m/s			m.p.h. m/s					
South	...	...	7	12	5.4	5	7	3.1	10	7	3.1	10	6	2.8	9	10	4.3	4	6	2.7	10	7	3.1	3	6	2.9	
North	...	...	16	12	5.5	10	6	2.5	10	9	4.1	8	9	3.8	16	14	6.1	20	16	7.0	13	12	5.5	18	11	4.8	
West	...	...	21	14	6.3	24	12	5.3	16	7	3.2	11	6	2.7	20	18	7.9	16	14	6.4	20	16	7.1	15	11	4.9	
East	...	...	1	8	3.4	3	8	3.6	7	16	7.0	5	4	2.0	5	17	7.4	6	18	8.1	4	17	7.6	8	6	2.5	
Calm (or wind- speed < 4 m.p.h.)			3	—	—	1	—	—	5	—	—	10	—	—	1	—	—	0	—	—	0	—	—	5	—	—	
No record			...	2	—	—	0	—	—	0	—	—	0	—	—	0	—	—	2	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	
Comparison with the normal for the time of year ..	Warmth	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Deficient	Very Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	
	Rainfall	Moderate	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Light	Heavy	
	Sunshine	Very Abundant	Very Abundant	Abundant	Very Abundant	Very Abundant	Very Abundant	—	Very Abundant	Abundant	Very Abundant	Very Abundant	Abundant	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 10 weeks from Sept. 2nd, 1923.	Warmth	1, 6, 3	1, 6, 3	2, 6, 2	4, 3, 3	3, 5, 2	4, 3, 3	1, 5, 4	2, 5, 3	2, 5, 3	2, 4, 4	1, 6, 3	2, 5, 3
		7, 3, 0	5, 3, 2	2, 4, 4	4, 5, 1	3, 4, 3	4, 4, 2	6, 4, 0	3, 7, 0	3, 5, 2	3, 6, 1	3, 6, 1	4, 6, 0
		5, 5, 0	8, 2, 0	4, 5, 1	3, 5, 2	2, 7, 1	6, 3, 1	—	5, 3, 2	3, 5, 2	3, 5, 2	4, 4, 2	1, 8, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

182 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	48	9, 31	35	6th	45.1	38.0	41.5	-2.4	6	1.70	43	+18	Lerwick	..	1.8	—	—	—	—	—	—
Orkneys	Deerness	160	p	48	10th	34	6th	44.4	36.6	40.5	-3.7	6	1.60	41	+17	Deerness	..	2.5	+1.1	30	—	—	—	—
Hebrides	Stornoway	51	t	48	10th	31	7, 10	43.6	33.7	38.7	-5.4	6	2.06	52	+18	Stornoway	..	3.0	+1.3	36	—	—	—	—
	Castlebay	37	t	49	10th	35	6th	45.4	38.9	42.1	—	6	0.77	20	—	Castlebay	..	2.6	—	30	—	—	—	—
Caithness	Wick	81	t	47	9th	27	9th	42.9	34.3	38.6	-4.8	5	0.65	17	-2									
Ross and Cromarty	Strathpeffer	125	a	51	10th	—	—	43.1	—	—	—	6	0.74	19	+2									
Inverness	Achnashellach	225	a	45	10th	22	7th	40.0	30.3	35.1	—	7	2.10	53	—	Achnashellach	..	—	—	—	—	—	—	—
	Inverness	242	a	45	10th	30	7th	40.6	33.4	37.0	—	5	0.43	11	—	Inverness	..	2.1	—	24	3	24	—	—
	Fort Augustus	68	a	50	10th	25	7th	42.4	31.1	36.7	-6.6	3	0.77	20	-7									
	Onich	48	a	46	9th	29	7th	42.7	33.6	38.1	—	5	1.63	41	—	Onich	..	1.9	—	22	4	10	—	—
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	44	10th	28	9th	40.7	33.0	36.9	-5.9	6	0.44	11	-4	Nairn	..	2.5	—	30	—	—	—	—
Elgin	Gordon Castle	101	p	46	10th	25	9th	43.4	31.0	37.2	-6.6	6	0.42	11	-8	Gordon Castle	..	2.7	—	32	—	—	—	—
Aberdeen	Aberdeen	46	a	45	4, 9	30	9th	42.3	34.1	38.2	—	5	0.34	9	-10	Aberdeen	..	3.2	+1.1	37	3	23	—	—
	Balmoral	930	a	48	10th	21	9th	39.3	28.4	33.9	-6.2	6	0.45	11	-13	Balmoral	..	—	—	—	—	—	—	46.8
Perth	Crieff	478	p	47	10th	27	7th	43.1	30.1	36.6	-6.5	5	0.22	6	-21	(Kinc.) Crathes	..	3.5	+1.4	41	6	16	39.5	—
Forfar	Dundee	147	a	46	4, 10	30	9th	43.4	33.1	38.3	—	3	0.38	10	—	Dundee	..	3.8	—	45	4	25	42.9	—
Fife	Inchkeith	190	t	47	9th	34	7th	44.3	37.4	40.9	—	4	0.21	5	—	Inchkeith	..	3.7	—	42	2	25	—	—
Midlothian	Edinburgh	441	p	44	10th	30	7th	42.1	33.6	37.9	-6.0	5	0.46	12	-3	Edinburgh	..	3.3	+1.0	38	3	26	—	—
Peebles	West Linton	770	a	46	4, 8	21	7th	42.9	28.4	35.7	-4.1	7	0.68	17	—	West Linton	..	—	—	—	—	—	—	—
Berwick	Marchmont	498	a	46	5, 10	26	9th	42.9	31.4	37.1	-5.5	5	0.62	16	-4	Marchmont	..	2.3	+0.3	26	—	—	—	—
2a. SCOTLAND, W.																								
Argyle	Ford	149	a	49	10th	24	7th	44.0	30.0	37.0	—	5	1.63	41	—	Ford	..	—	—	—	5	22	44.3	—
Renfrew	Renfrew	49	t	46	5th	26	7th	44.0	31.6	37.8	—	4	0.63	16	—	Renfrew	..	2.9	—	33	4	17	—	—
Bute	Rothsay	200	p	45	5th	31	7th	43.6	34.6	39.1	-5.9	6	1.04	27	-6	Rothsay	..	3.0	—	35	5	14	41.6	—
Ayr	Kilmarnock	90	a	48	10th	23	7th	45.6	30.3	37.9	-5.3	5	0.91	23	-2	Kilmarnock	..	2.4	—	27	—	—	42.2	—
	Colmonell	170	a	48	7th	28	10th	45.3	34.9	40.1	-4.7	4	1.46	37	+5	Colmonell	..	—	—	—	4	22	—	—
Dumfries	Dumfries	140	p	47	10th	28	7th	44.1	31.1	37.6	-6.3	3	0.39	10	-13	Dumfries	..	4.0	—	45	5	19	43.0	-1.1
	Eskdalemuir	794	t	45	10th	25	7th	41.3	29.9	35.6	—	4	0.80	20	—	Eskdalemuir	..	3.9	—	45	5	20	—	48.8
3a. ISLE OF MAN.																								
I. of Man	Douglas	284	a	47	10th	33	7th	45.4	37.3	41.3	-5.0	3	0.64	16	-15	Douglas	..	5.3	+3.2	59	2	29	—	—
2. ENGLAND, N.E.																								
North-berland	Cockle Park	324	p	47	10th	26	9th	43.6	30.4	36.7	-6.1	5	0.56	14	-3	Cockle Park	..	3.1	+0.9	35	5	21	38.3	-3.8
	Tynemouth	118	t	47	4, 5, 10	30	7th	44.1	35.3	39.7	-5.1	4	0.50	13	0	Tynemouth	..	—	—	—	3	26	—	—
Durham	Durham	336	p	46	5th	23	8th	42.3	31.4	36.9	-6.7	3	0.22	6	-8	Durham	..	2.9	+1.0	33	5	19	—	—
York	Rounton	249	p	46	5, 10	23	9th	42.6	28.4	35.5	-8.0	6	0.54	14	0	Rounton	..	—	—	—	6	15	42.3	—
N. Riding	West Witton	605	a	45	10th	26	8th	42.3	31.4	36.9	—	5	0.86	22	—	West Witton	..	—	—	—	5	19	40.2	—
	Scarborough	118	a	49	4, 10	30	9th	45.6	35.4	40.5	-5.2	5	0.51	13	-3	Scarborough	..	2.7	+0.8	30	—	—	—	48.1
	York	56	p	49	10th	25	9th	44.4	31.3	37.9	-6.7	4	0.20	5	-8	York	..	2.9	+1.3	33	—	—	—	49.6
E. Riding	Spurn Head	26	t	47	4, 10	32	9th	44.4	36.9	40.7	-5.4	4	0.80	20	+8	Spurn Head	..	3.7	—	41	—	—	—	—
Lincoln	Lincoln	58	a	50	4th	26	6, 7, 9	44.9	30.6	37.7	-6.7	4	0.60	15	+3	Lincoln	..	—	—	—	5	25	41.9	-2.8
	Cranwell	237	t	50	4th	26	7, 8	44.0	31.3	37.7	-6.7	4	0.86	22	+10	Cranwell	..	3.7	+1.5	40	5	19	—	49.6
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	..	3.8	+1.4	42	—	—	—	—
3. ENGLAND, E.																								
Norfolk	Cromer	196	a	52	4th	30	9th	46.0	36.7	41.3	-4.8	4	1.04	26	+14	Cromer	..	4.5	+2.1	50	—	—	—	—
	Yarmouth	13	t	50	4th	29	8th	46.3	37.1	41.7	-4.2	4	1.37	35	+21	Yarmouth	..	5.1	—	56	1	25	45.6	-0.8
	Norwich	93	a	49	4th	25	8th	44.6	33.1	38.9	-6.0	3	1.36	35	+20	Norwich	..	4.8	—	53	5	20	41.5	—
	Geldeston	37	a	52	4th	24	8th	46.5	33.9	40.2	-5.5	3	1.45	37	+23	Geldeston	..	4.8	+2.2	52	—	—	—	—
Cambridge	Cambridge	41	p	51	4th	22	8th	46.3	32.0	39.1	-5.8	4	0.55	14	+3	Cambridge	..	4.3	+0.9	47	6	20	44.8	-1.3
Hertford	Rothamsted	420	a	49	4th	22	8th	44.4	31.7	38.1	-6.3	3	0.44	11	-4	Rothamsted	..	5.2	+2.6	56	6	16	43.2	—
Middlesex	Tottenham	51	p	51	4th	25	8th	46.7	35.4	41.1	—	3	0.62	16	—	Tottenham	..	3.7	—	40	—	—	—	—
Essex	Clacton-on-Sea	54	t	51	4th	28	8th	46.3	37.1	41.7	-4.3	3	1.02	26	+15	Clacton-on-Sea	..	5.2	+2.5	57	2	22	45.4	-2.7
	Southend	90	a	52	4th	29	7th	47.6	34.7	41.1	—	4	1.09	28	—	Southend	..	4.5	—	48	2	27	46.6	—
4. MIDLAND COUNTIES.																								
York	Harrogate	479	a	44	4, 10	25	9th	41.7	30.7	36.2	-7.4	4	0.27	7	-12	Harrogate	..	2.8	+0.8	31	6	18	43.0	-2.0
W. Riding	Sheffield	429	p	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	..	—	—	—	—	—	—	—
Derby	Buxton	987	p	46	5th	24	8th	40.3	31.0	35.7	-6.4	4	1.47	37	+8	Buxton	..	3.1	—	34	4	20	39.9	-2.7
Nottingham	Worksop (Hods'ck P)	56	a	51	4th	24	8th	46.3	29.9	38.1	-6.5	5	0.76	19	+5	Worksop	..	2.8	+1.1	31	6	16	41.9	—
	Nottingham	82	t	50	4th	21	8th	44.3	30.9	37.8	-7.0	3	0.66	17	+5	Nottingham	..	2.6	+1.0	28	5	20	41.6	-2.2
Warwick	Birmingham (Edg.)	525	t	49	4th	29	8th	43.7	33.9	38.8	-6.0	3	0.33	8	-8	Birmingham	..	3.0	+1.6	33	4	14	49.1	-2.0
Northampton	Oundle	147	a	49	4th	22	8th	44.6	30.3	37.4														

* See footnote to previous page.

Week ending at midnight (24h.) on Saturday, November 10th, 1923.

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
 † Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

‡Standard mounting.

*Cup Anemometer record at Fleetwood ceased at 9h. on Nov. 9th.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIFTH WEEK of 1923—November 4th to November 10th, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Devia- tion from Normal	Percentage of Possible Duration		
				Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal	Below 42°	Devia- tion from Normal									
Highest	Lowest	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.	
0. SCOTLAND, NORTH ..		51	22	42.8	33.5	38.1	- 5.2	2	- 19	30	+ 19	5	0	1.37	35	+ 2	2.5	+ 1.1	30	1005
Eastern.																				
1. SCOTLAND, EAST ..		48	21	42.4	31.7	37.1	- 5.7	1	- 19	35	+ 20	5	0	0.42	11	- 9	3.1	+ 1.1	36	1006
2. ENGLAND, N.E. ..		50	23	43.9	32.3	38.1	- 6.6	5	- 22	33	+ 25	4	0	0.53	14	- 0	3.2	+ 1.2	36	1008
3. ENGLAND, EAST ..		52	22	45.9	34.6	40.3	- 5.0	11	- 20	23	+ 14	3	- 1	0.98	25	+ 12	4.7	+ 2.2	51	1009
4. MIDLAND COUNTIES ..		52	18	44.6	31.5	38.0	- 6.5	7	- 22	35	+ 24	3	- 1	0.43	11	- 6	3.5	+ 1.5	38	1009
5. ENGLAND, S.E. ..		54	18	47.3	34.6	40.9	- 5.9	15	- 25	23	+ 17	4	0	0.54	14	- 7	4.6	+ 2.2	49	1009
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		49	23	44.6	32.8	38.7	- 6.0	7	- 20	30	+ 22	4	- 1	0.96	24	- 10	—	—	—	1008
7. ENGLAND, N.W. (and North Wales) ..		50	24	45.2	35.3	40.2	- 5.5	9	- 23	22	+ 16	5	0	0.84	21	- 2	3.4	+ 1.7	39	1009
8. ENGLAND, S.W. (and South Wales) ..		53	18	47.0	36.2	41.6	- 5.6	14	- 28	17	+ 12	5	0	0.82	21	- 7	3.5	+ 1.3	39	1010
9. IRELAND, NORTH ..		52	25	45.7	35.3	40.5	- 4.9	10	- 21	21	+ 14	5	0	0.57	15	- 10	3.8	+ 1.8	43	1010
10. IRELAND, SOUTH ..		51	24	47.1	36.8	42.0	- 4.7	14	- 25	14	+ 7	4	- 1	0.50	13	- 14	4.1	+ 1.9	45	1013
11. CHANNEL ISLANDS (and Scilly) ..		55	35	51.3	42.3	46.8	- 4.1	34	- 29	0	0	6	+ 1	1.87	48	+ 20	4.0	+ 1.4	43	1011
MEAN: DISTRICTS 1-10		54	18	45.4	34.1	39.8	- 5.6	9	- 23	25	+ 17	4	0	0.66	17	- 5	3.8	+ 1.7	42	1009
THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, September 2nd to November 10th, 1923.																				
0. SCOTLAND, NORTH ..		70	22	52.3	42.4	47.2	- 0.9	393	- 85	33	- 12	59	+ 11	16.26	413	+ 147	3.2	+ 0.5	29	1000
Eastern.																				
1. SCOTLAND, EAST ..		73	21	53.3	41.3	47.1	- 1.1	408	- 91	53	- 8	49	+ 9	6.99	178	+ 11	4.0	+ 0.8	37	1002
2. ENGLAND, N.E. ..		74	23	56.1	43.3	49.5	- 0.9	562	- 51	38	+ 13	38	+ 2	4.49	115	- 22	4.1	+ 0.6	37	1008
3. ENGLAND, EAST ..		76	22	58.5	44.8	51.4	- 0.2	682	- 19	24	- 4	37	+ 2	6.36	163	+ 30	4.4	+ 0.5	40	1011
4. MIDLAND COUNTIES ..		77	18	57.1	43.3	50.0	- 0.4	595	- 36	39	- 4	40	+ 5	6.20	158	+ 13	3.7	+ 0.3	33	1010
5. ENGLAND, S.E. ..		76	18	59.3	45.7	52.2	- 0.5	738	- 34	23	+ 4	43	+ 8	8.78	223	+ 53	4.7	+ 0.6	42	1011
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		71	23	54.2	43.4	48.6	- 1.1	494	- 80	30	- 3	58	+ 18	15.87	402	+ 148	—	—	—	1005
7. ENGLAND, N.W. (and North Wales) ..		76	24	55.3	45.5	50.3	- 0.7	601	- 46	22	+ 2	53	+ 13	10.17	258	+ 60	3.6	+ 0.3	33	1008
8. ENGLAND, S.W. (and South Wales) ..		75	18	57.3	46.2	51.6	- 0.7	686	- 53	17	+ 2	48	+ 7	10.43	266	+ 42	3.9	+ 0.1	35	1011
9. IRELAND, NORTH ..		71	25	55.2	44.1	49.5	- 0.8	545	- 61	22	- 2	59	+ 15	10.60	269	+ 63	3.5	+ 0.3	31	1005
10. IRELAND, SOUTH ..		74	24	56.4	45.5	50.8	- 0.8	628	- 66	14	- 8	53	+ 12	9.07	230	+ 24	3.9	+ 0.3	35	1010
11. CHANNEL ISLANDS (and Scilly) ..		74	35	59.5	50.0	54.5	- 1.1	879	- 76	0	0	46	+ 4	11.72	298	+ 95	4.5	- 0.1	40	1013
MEAN: DISTRICTS 1-10 ..		77	18	56.3	44.3	50.1	- 0.7	594	- 54	28	- 1	48	+ 9	8.90	226	+ 43	4.0	+ 0.4	36	1008
THE YEAR. Aggregates, &c., for the Period of 45 Weeks, December 31st, 1922, to November 10th, 1923.																				
0. SCOTLAND, NORTH ..		80	22	51.9	41.7	46.6	+ 0.1	1802	- 184	350	- 211	223	+ 14	49.78	1264	+ 206	3.4	0.0	26	1007
Eastern.																				
1. SCOTLAND, EAST ..		82	20	52.8	40.8	46.5	- 0.4	1904	- 291	472	- 173	200	+ 22	28.66	733	+ 65	3.7	- 0.3	28	1008
2. ENGLAND, N.E. ..		91	23	55.1	43.0	48.8	+ 0.2	2465	- 87	332	- 143	165	+ 5	20.46	524	- 15	4.2	- 0.2	32	1012
3. ENGLAND, EAST ..		94	22	57.5	44.3	50.6	+ 0.8	2968	+ 37	258	- 237	152	- 3	20.17	511	- 1	4.7	- 0.1	36	1013
4. MIDLAND COUNTIES ..		95	18	56.9	43.1	49.7	+ 0.5	2749	- 66	319	- 218	169	+ 15	25.66	653	+ 79	3.8	- 0.4	29	1013
5. ENGLAND, S.E. ..		93	18	58.1	44.9	51.3	+ 0.5	3118	- 25	206	- 170	157	+ 6	25.31	644	+ 65	4.9	- 0.1	38	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		86	20	54.1	42.6	48.2	- 0.2	2251	- 190	309	- 114	213	+ 28	48.45	1226	+ 242	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		89	24	54.9	44.6	49.5	+ 0.2	2578	- 100	207	- 173	198	+ 28	32.87	835	+ 87	3.9	- 0.4	30	1012
8. ENGLAND, S.W. (and South Wales) ..		93	18	56.7	45.4	50.8	+ 0.3	2928	- 49	150	- 149	180	+ 10	34.48	876	+ 66	4.3	- 0.4	34	1014
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.3	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly) ..		90	32	58.0	48.6	53.2	+ 0.3	3520	- 13	3	- 97	184	+ 9	31.62	803	+ 129	5.1	- 0.6	40	1015
MEAN: DISTRICTS 1-10 ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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Vol. XL (New Series)

FORTY-SIXTH WEEK.

SUNDAY, NOVEMBER 11TH, TO SATURDAY, NOVEMBER 17TH, 1923.

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(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was of a very disturbed character. Rain, hail or snow fell in most places. "Snow lying" was recorded in many parts, notably in Scotland, Balmoral registering a depth of 12 inches, West Linton (Peebles) 4 inches and Achnashellach (Ross-shire) 3 inches. Strong winds and gales occurred in many parts of the country and in some places gale forces of 9 and 10 were registered. At Southport, shortly after 12h. on the 15th, an unusually violent squall occurred, the direction of the wind shifting from south-east to west, with a force of 82 miles per hour. Several amounts of precipitation exceeding 25mm. were recorded on various days during the week. Among the largest measurements were 50mm. at Achnashellach and 49mm. at Ford (Argyll) on the 11th, 40mm. at Mallarany (Mayo), 34mm. at Holyhead, 33mm. at Llandudno and 32mm. at Blackpool on the 12th, 39mm. at Clifton, 35mm. at Cardiff and Falmouth, 34mm. at Marlborough (Wilts.), 33mm. at Rhayader (Radnor) and 32mm. at Manchester on the 13th, 38mm. at Crathes (Kincardine), 34mm. at Colmonell (Ayr) and 33mm. at Balmoral on the 15th, while falls of 59mm. and 34mm. at Stonyhurst, 43mm. and 35mm. at Lancaster and 33mm. and 34mm. at Burnley were registered on the 12th and 13th respectively. The total amount of precipitation for

the week was above the normal in all Districts with the exception of England E., where it was slightly below. The highest temperature occurred during the first half of the week and in several places maximum readings of about 55°F. or slightly above were obtained, the actual highest reading being 59°F. at Strathpeffer on the 11th. There were one or two exceedingly cold nights when temperature in many parts of the British Isles fell several degrees below the freezing point. The lowest of the screen minima, 16°F., occurred at Balmoral on the 15th, while temperature on the grass at the same station fell as low as 8°F. The mean temperature for the week was below the normal in nearly all parts of the country. The mean amount of sunshine for the week was below the normal in Scotland, Ireland and the north-west of England but in the other Districts it was in excess. The departure of the mean daily duration of sunshine from the normal for the week ranged from +2.6 hours at Southampton to -1.7 hours at Aspatria. Thunderstorms occurred in several places. Aurora was observed at Seskin (Carrick-on-Suir) on the 13th and 14th. Solar halos were seen at Oxford on the 11th, 12th, 15th and 17th. Lunar halos were observed on various dates in several parts of the country.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	14	9	4.0	16	7	3.2	20	11	5.1	21	12	5.4	20	16	7.3	6	16	7.0	21	11	4.9	19	9	4.2
North	8	10	4.5	7	5	2.1	2	8	3.5	3	6	2.5	3	6	2.7	10	11	4.7	0	—	—	16	9	3.8
West	21	17	7.4	23	17	7.7	23	10	4.3	18	6	2.9	26	19	8.5	19	30	13.3	23	18	8.2	22	20	8.9
East	3	18	8.1	3	4	1.9	1	4	1.8	1	2	1.0	1	17	7.5	4	9	3.8	0	—	—	3	2	1.0
Calm (or wind-speed < 4 m.p.h.)	0	—	—	1	—	—	3	—	—	3	—	—	1	—	—	1	—	—	2	—	—	3	—	—
No record ...	2	—	—	0	—	—	1	—	—	0	—	—	0	—	—	4	—	—	3	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]														
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales)	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..	{ Warmth Rainfall Sunshine	..	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate
		..	Very Heavy	Very Heavy	Heavy	Moderate	Heavy	Heavy	Very Heavy	Very Heavy	Heavy	Very Heavy	Heavy	Heavy
		..	Moderate	Moderate	Abundant	Abundant	Abundant	Very Abundant	—	Moderate	Abundant	Moderate	Moderate	Very Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 11 weeks from Sept. 2nd, 1923.	Warmth	..	1, 6, 4	1, 6, 4	2, 7, 2	4, 4, 3	3, 6, 2	4, 4, 3	1, 5, 5	2, 6, 3	2, 5, 4	2, 5, 4	1, 7, 3	2, 6, 3
	Rainfall	..	8, 3, 0	6, 3, 2	3, 4, 4	4, 6, 1	4, 4, 3	5, 4, 2	7, 4, 0	4, 7, 0	4, 5, 2	4, 6, 1	4, 6, 1	5, 6, 0
	Sunshine	..	5, 6, 0	8, 3, 0	5, 5, 1	4, 5, 2	3, 7, 1	7, 3, 1	—	5, 4, 2	4, 5, 2	3, 6, 2	4, 5, 2	2, 8, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE AND RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Probs.	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																								
Shetlands	Lerwick	54	t	49	11th	32	15th	42.4	37.4	39.9	-2.4	7	2.92	74	+51	Lerwick	0.7	—	9	—	—	—	—	—
Orkneys	Deerness	160	p	55	11th	30	15th	45.0	34.0	39.5	-3.0	7	2.49	63	+42	Deerness	0.6	-0.5	8	—	—	—	—	—
Hebrides	Stornoway	51	t	55	11th	28	15, 17	42.0	35.1	38.5	-4.0	7	1.73	44	+13	Stornoway	0.7	-0.7	9	—	—	—	—	—
	Castlebay	37	t	52	11th	35	15, 17	44.6	40.0	42.3	—	7	1.52	39	—	Castlebay	0.7	—	8	—	—	—	—	—
Caithness	Wick	81	t	54	11th	28	15th	43.0	36.9	39.9	-1.8	7	2.17	55	+38		—	—	—	—	—	—	—	—
Ross and Cromarty	Strathpeffer	125	a	59	11th	—	—	44.0	—	—	—	7	1.30	33	+17		—	—	—	—	—	—	—	—
	Achnashellach	225	a	51	11th	24	15th	40.6	34.4	37.5	—	7	3.84	98	—	Achnashellach	—	—	—	5	13	—	—	—
Inverness	Inverness	242	h	53	11th	27	15th	41.4	35.9	38.7	—	7	1.15	29	—	Inverness	1.4	—	18	12	24	—	—	—
	Fort Augustus	68	a	56	11th	23	15th	42.3	32.9	37.6	-3.9	6	2.30	58	+34		—	—	—	—	—	—	—	—
	Onich	48	a	54	12th	27	15th	43.6	36.6	40.1	—	7	3.17	81	—	Onich	0.2	—	3	3	20	—	—	—
1. SCOTLAND, E.																								
Nairn	Nairn	82	t	54	11th	25	15th	41.6	36.6	39.1	-1.4	7	1.05	27	+13	Nairn	1.7	—	21	—	—	—	—	—
Elgin	Gordon Castle	101	p	58	12th	26	15th	41.0	34.1	39.1	-2.4	7	1.82	46	+30	Gordon Castle	1.5	—	19	—	—	—	—	—
Aberdeen	Aberdeen	46	t	55	12th	28	15th	43.9	36.6	40.3	—	6	1.32	33	+16	Aberdeen	1.5	-0.3	19	3	13	—	—	45.2
	Balmoral	930	a	55	11th	16	15th	40.4	28.9	34.7	-3.0	7	1.67	42	+21	Balmoral	—	—	—	5	8	—	—	45.2
Perth	Crieff	478	p	54	11, 12	24	15th	43.1	31.7	37.4	-3.3	7	1.29	30	+5	Perth	1.7	-0.1	21	5	15	39.1	—	43.8
Forfar	Dundee	147	a	53	11, 12	26	15th	43.7	34.4	39.1	—	5	1.26	32	—	Dundee	1.6	—	20	1	23	41.0	—	—
Fife	Inchkeith	190	t	53	12th	32	15th	43.9	37.9	40.9	—	6	1.43	36	—	Inchkeith	1.4	—	17	1	24	—	—	—
Midlothian	Edinburgh	441	p	55	11, 12	31	14, 15	43.9	34.4	39.1	-2.4	7	1.02	26	+14	Edinburgh	1.1	-1.0	13	1	28	—	—	—
Peebles	West Linton	770	a	53	11th	—	—	44.0	—	—	—	7	2.27	58	—	West Linton	—	—	—	4	18	—	—	—
Berwick	Marchmont	498	a	53	12th	25	15th	43.7	31.7	37.7	-2.5	6	1.55	39	+22	Marchmont	1.1	-0.6	14	—	—	—	—	—
6a. SCOTLAND, W.																								
Argyle	Ford	149	a	53	11th	29	15th	43.6	37.0	40.3	—	7	4.01	102	—	Ford	—	—	—	1	27	42.6	—	47.3
Renfrew	Renfrew	49	t	53	12th	30	15th	43.1	37.0	40.1	—	7	1.55	39	—	Renfrew	0.8	—	9	3	24	—	—	—
Bute	Rothsay	200	p	53	12th	32	15th	44.3	36.0	40.1	-2.7	7	2.20	56	+29	Rothsay	0.6	—	8	3	27	41.1	—	46.7
Ayr	Kilmarnock	90	a	53	11th	30	15th	44.0	35.0	39.5	-1.3	7	1.98	50	+30	Kilmarnock	0.6	—	7	—	—	41.7	—	47.8
	Colmonell	170	a	54	11th	31	15th	46.9	36.3	41.6	-0.9	7	4.18	106	+30	Colmonell	—	—	—	2	29	—	—	—
Dumfries	Dumfries	140	p	54	13th	27	15th	47.6	34.4	41.0	-0.5	7	2.22	56	+38	Dumfries	1.4	—	17	4	20	42.6	+0.4	47.0
	Eskdalemuir	794	t	51	12, 13	26	15th	41.7	33.1	37.4	—	7	2.85	73	—	Eskdalemuir	1.1	—	14	3	18	—	—	-0.1
6b. ISLE OF MAN.																								
I. of Man	Douglas	284	h	53	13th	34	15th	46.3	38.6	42.5	-1.7	7	2.52	64	+39	Douglas	2.1	-0.1	25	1	29	—	—	—
2. ENGLAND, N.E.																								
Northumb.	Cockle Park	324	p	—	—	—	—	—	—	—	—	5	1.42	36	+20	Cockle Park	2.3	+0.1	27	5	21	39.8	-0.5	43.9
Derham	Tynemouth	118	t	56	13th	33	15th	47.0	38.1	42.5	-0.3	6	0.89	23	+10	Tynemouth	—	—	—	1	30	—	—	-1.3
Durham	Durham	336	p	56	13th	26	15th	47.3	34.7	41.0	-0.5	6	1.71	43	+29	Durham	2.3	+0.4	27	2	21	—	—	—
York	Rounton	249	p	54	12th	29	15th	47.1	35.4	41.3	-0.1	7	1.73	44	+30	Rounton	—	—	—	5	20	41.4	—	—
N. Riding	West Witton	605	t	53	12, 13	29	11th	45.1	35.1	40.1	—	7	4.08	104	—	West Witton	—	—	—	4	22	40.1	—	45.3
	Scarborough	118	h	54	12th	32	15th	47.8	38.3	42.9	-0.7	4	1.41	36	+21	Scarborough	2.1	+0.3	24	—	—	—	—	45.7
	York	56	p	55	13th	30	11th	47.9	37.0	42.5	-0.0	6	1.30	33	+20	York	1.3	-0.1	16	—	—	43.1	-1.7	47.7
E. Riding	Spurn Head	20	t	50	13th	35	15th	45.1	39.4	42.3	-1.7	5	1.14	29	+17	Spurn Head	2.1	—	24	—	—	—	—	—
Lincoln	Lincoln	58	a	52	13th	26	11th	46.6	34.0	40.3	-1.9	6	0.88	22	+10	Lincoln	—	—	—	2	26	40.7	-2.0	47.3
	Cranwell	237	t	50	12, 13	29	11th	46.0	36.3	41.1	-1.2	5	0.95	24	+12	Cranwell	3.0	+1.0	34	3	23	—	—	-1.5
	Skewness	—	—	50	13th	30	11th	46.0	36.3	41.1	-1.2	5	0.95	24	+12	Skewness	3.1	+0.8	35	—	—	—	—	—
3. ENGLAND, E.																								
Norfolk	Cromer	196	a	52	13th	30	25th	47.5	37.5	42.5	-1.4	4	0.24	6	-7	Cromer	3.3	+1.2	38	—	—	—	—	—
	Yarmouth	13	t	53	13th	32	15th	48.3	38.4	43.3	-0.4	4	0.53	13	-2	Yarmouth	3.7	—	43	3	27	43.7	-0.9	47.9
	Norwich	93	t	53	13th	27	11th	47.0	35.3	41.1	-1.6	3	0.92	23	+6	Norwich	3.4	—	39	3	22	29.4	—	—
	Gedeston	37	a	54	13th	31	11, 12	48.9	35.9	42.4	-1.0	3	0.38	10	-5	Gedeston	3.9	+1.7	45	—	—	—	—	—
Cambridge	Cambridge	41	p	53	13, 14	26	11th	49.7	33.0	41.3	-1.4	3	0.37	9	-3	Cambridge	3.9	+1.8	45	4	22	42.1	-2.0	48.6
Hertford	Rothamsted	420	a	51	13th	27	12th	47.0	34.1	40.5	-1.8	4	0.85	22	+5	Rothamsted	4.1	+1.9	47	3	21	40.9	—	—
Middlesex	Tottenham	51	p	54	13th	27	12th	49.3	36.4	42.9	—	3	0.60	15	—	Tottenham	2.8	—	32	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	51	13th	31	12th	48.3	39.6	43.9	+0.2	5	0.52	13	+1	Clacton-on-Sea	4.4	+0.9	50	1	27	43.2	-3.0	49.2
	Southeast	90	h	53	13th	28	12th	49.4	36.0	42.7	—	5	0.37	9	—	Southeast	4.1	—	46	1	28	43.8	—	—
4. MIDLAND COUNTIES.																								
York	Harratogate	479	h	53	12th	30	15th	44.0	36.0	40.0	-1.3	6	2.29	58	+43	Harratogate	1.6	-0.4	19	1	25	42.5	-0.9	45.4
W. Riding	Sheffield	429	p	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—
Derby	Buxton	987	p	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—
Nottingham	Worksop (Hods'ckP)	56	a	53	12, 13	28	11th	48.7	35.4	42.1	-0.1	6	1.08	27	+16	Worksop	1.7	0.0	20	6	20	41.3	—	45.9
	Nottingham	82	t	52	13th	25	11th	46.4	36.4	41.4	-0.8	4	1.01	26	+16	Nottingham	2.0	+0.5	23	4	24	40.5	-1.2	45.7
Warwick	Birmingham (Edg.)	525	t	50	12th	29	11th	46.1	36.0	41.1	-1.3	3	1.13	29	+16	Birmingham	3.0	+1.6	34	2	17	41.8	-1.9	48.3
Northampton	Oundle	137	a	51	12th	22	11th	47.1	32.1	39.6	—	3	0.78	20	—	Oundle	3.1	—	36	3	18	41.8	—	48.8
Oxford	Oxford	208	p	52	13, 14	27	11th	49.4	35.0	42.2	-0.7	4	0.90	25	+12									

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week				No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean	Deviation from Normal								Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.																									
Cardigan	Aberystwyth	16	h	54	12, 13	31	11th	49.7	41.4	45.5	—	7	1.91	49	—	Aberystwyth	2.2	- 0.2	26	—	—	—	—	—	
Pembroke	St. Ann's Hd.	149	f	53	14th	37	11th	50.6	43.7	47.1	+0.1	6	2.04	52	+32	St. Ann's Hd	3.0	+0.6	34	—	—	—	—	—	
Radnor	Rhayader...	757	a	52	13th	25	11th	45.9	34.0	39.9	—	6	3.15	80	—	Rhayader	2.3	—	26	3	16	—	—	—	
Glamorgan Cardiff		202	p	52	13, 14	30	11th	49.9	35.4	42.7	- 0.5	6	2.61	66	+45	Cardiff	3.7	—	42	3	23	42.0	- 2.4	49.2	- 0.9
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	54	13th	23	12th	47.6	33.6	40.6	- 2.8	6	1.77	45	+31	Bath	2.5	+0.1	28	—	—	42.9	—	49.7	—
Dorset	Shaftesbury	722	a	54	12th	30	12th	47.4	34.1	40.7	- 2.1	5	1.17	30	+13	Shaftesbury	—	—	—	—	—	49.0	—	—	—
	Portland Bill	19	f	54	13, 15	37	12th	51.4	44.3	47.9	+0.4	4	1.21	31	+17	Weymouth	4.2	—	47	—	—	—	—	—	—
Devon	Arlington	613	a	51	13th	28	12th	48.3	35.1	41.7	- 2.0	7	3.79	96	+67										
	Cullompton	202	a	53	13th	22	12th	49.7	32.1	40.9	- 2.9	6	1.81	46	+29	Cullompton	3.3	+1.1	37	6	14	43.0	—	—	—
	Plymouth...	116	p	53	12-15	28	12th	52.1	39.3	45.7	- 0.7	6	0.88	22	+ 3	Plymouth	4.6	+1.9	51	2	23	43.9	- 2.7	51.3	—
Cornwall Newquay		190	h	52	12, 13, 15	28	12th	49.2	39.1	44.1	- 3.4	6	1.75	44	+25	Newquay	4.4	+1.6	50	—	—	45.9	—	51.4	—
	Falmouth...	167	h	53	13th	33	12th	50.1	39.6	44.9	- 2.4	6	2.46	62	+37	Falmouth	4.6	+1.8	51	2	25	45.5	—	51.2	—
9. IRELAND, N.																									
Donegal	Malin Head	71	f	55	12th	33	15th	47.4	38.6	43.0	- 1.6	7	1.92	49	+31	Malin Head	0.8	—	10	—	—	—	—	—	—
Mayo	Blackod Point	10	f	53	11th	31	16th	49.7	38.4	44.1	- 1.4	7	2.25	57	+28										
	Mallary	120	a	58	11th	34	15, 17	49.1	38.9	44.0	—	7	3.95	100	—	Mallary	1.8	—	21	—	—	—	—	—	—
Sligo	Markree Castle	122	p	54	12, 13	30	15th	48.7	36.0	42.3	- 0.2	7	2.40	61	+37	Markree Castle	1.3	- 0.8	15	2	27	44.7	- 1.0	49.0	- 1.0
Armagh	Armagh	204	p	55	13th	31	15th	47.0	36.3	41.7	- 0.9	7	1.93	49	+33	Armagh	2.1	- 0.2	25	3	25	43.8	- 0.8	47.8	- 1.2
Down	Donaghadee	35	f	54	12, 13	30	15th	47.3	38.0	42.7	- 1.5	6	1.50	38	+21										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	56	13th	35	15th	49.7	39.3	44.5	- 0.5	6	0.83	21	+ 5	Trinity Coll.	—	—	—	5	29	45.1	- 0.8	48.5	- 0.9
King's County	Birr Castle	175	f	54	13th	30	16th	46.9	37.1	42.0	- 0.6	6	1.79	45	+27	Phoenix Park	2.9	+0.2	34	2	30	—	—	—	—
Kilkenny	Kilkenny	195	a	54	12, 13	29	11th	48.3	35.0	41.7	- 1.4	7	1.46	37	+19	Dublin City	—	—	—	2	30	—	—	—	—
Waterford	Waterford	137	a	53	12th	31	11th	49.4	36.1	42.7	- 1.6	7	1.70	43	+21	Birr Castle	2.0	- 0.4	23	4	26	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	55	12, 13	32	14, 15, 17	48.0	36.1	42.1	—	7	2.41	61	—										
Limerick	Foynes	50	a	55	13th	35	15th	49.3	39.9	44.6	- 0.1	7	2.25	57	+34	Seskin	2.7	—	31	4	26	—	—	—	—
Kerry	Cahiriveen (Val.O.)	30	f	54	13th	39	11, 15, 17	49.4	42.4	45.9	- 1.1	7	2.18	55	+23										
	Killarney	174	a	57	12th	34	11th	49.9	38.4	44.1	- 1.2	7	2.74	70	+37	Cahiriveen (Valencia O.)	1.9	- 0.6	21	0	33	—	—	—	—
Cork	Roche's Point	32	f	54	13th	37	11, 15	49.1	41.1	45.1	- 1.4	7	1.19	30	+ 5	Ballinacurra	2.8	+0.5	32	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	f	54	15th	39	12th	50.9	42.6	46.7	- 2.7	6	1.28	33	+15	St. Mary's	4.0	+1.2	45	—	—	—	—	—	—
Guernsey	Grange	173	p	56	13th	37	12th	52.9	43.9	48.4	+0.1	5	1.52	39	+16	Grange	4.9	+2.4	55	1	28	46.4	- 2.6	52.2	- 1.2
Jersey	St. A. bins	25	f	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers	—	—	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, November 17th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ::										Extreme Velocities.								
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.						
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m.p.h.	m/s.	d	hr.	m.p.h.	m/s.	d	h	m.	
Shetlands Lerwick ...	310	42	+	11, 12	12	11 to 17	59	69	14	7	7	250	42	19	12	19	77	34	12	19	35	
Orkneys **Deerness (Cup Anr.)	188	16	5	14	1	10 to 12, 14 to 16	43	71	39	5	9	300	40	18	14	20	—	—	—	—	—	
1. SCOTLAND, E.																						
Aberdeen Aberdeen ...	72	42	+	—	0	14 to 16	18	69	76	5	0	330	36	16	16	1	63	28	16	3	0	
Edinburgh Edinburgh ...	485	39	31	—	0	11, 12, 16	9	128	21	10	0	240	29	13	11	10	45	20	11	18	50	
2a. SCOTLAND, W.																						
Renfrew Paisley ...	188	81	15	—	0	16	1	62	94	11	0	310	25	11	16	1	52	23	12	14	10	
Dumfries Eskdalemuir ...	825	50	22	16	1	12 to 17	32	98	30	9	0	270	39	17	16	3	56	25	16	3	12	
2. ENGLAND, N.E.																						
Durham South Shields...	72	61	12	15	1	14 to 17	19	94	50	4	0	140	41	18	15	13	61	27	15	13	30	
York, E.R. Spurn Head ...	67	41	+	15, 16	7	13 to 17	60	84	17	0	0	160	48	21	15	13	65	29	15	12	55	
Lincoln Cranwell ...	280	43	31	—	0	13 to 17	34	98	36	0	0	180	34	15	15	13	38	26	15	13	15	
3. ENGLAND, E.																						
Norfolk Gorleston ...	52	42	+	15	1	13 to 15, 17	19	59	72	17	0	180	43	19	15	14	60	27	15	14	10	
Essex Shoeburyness...	103	90	+	13 to 15	9	13 to 17	35	73	44	2	5	190	46	20	15	14	60	27	15	14	30	
5. ENGLAND, S.E.																						
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	59	76	33	0	210	24	11	13	13	44	20	13	15	10	
Kent Lympne ...	409	70	+	13 to 15	8	13 to 17	39	80	41	0	0	220	46	21	15	14	63	23	15	13	30	
Surrey Croydon ...	284	40	24	—	0	13 to 15	18	72	58	13	7	210	30	13	13	24	57	25	13	23	10	
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	13, 15	8	91	65	4	0	190	28	13	13	12	46	21	15	12	25	
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	13 to 17	49	85	27	6	1	180	38	17	15	12	62	28	15	12	10	
Wiltshire Larkhill, S'y Plain ...	513	63	43	15	1	13 to 17	43	80	(44)	(0)	0	190	39	17	15	11	57	25	15	11	0	
7a. ENGLAND, N.W.																						
Lancashire *Fleetwood (Cup Anr.)...	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lancashire Southport ...	80	62	48	14 to 17	19	13 to 17	65	45	39	0	0	200	51	23	16	1	82	37	15	12	15	
7b. NORTH WALES.																						
Anglesey Holyhead ...	64	45	+	15 to 17	13	12 to 17	86	50	13	6	0	290	51	23	15	21	72	32	15	20	20	
8b. ENGLAND, S.W.																						
Devon Plymouth ...	185	88	2	13, 15	11	13, 15 to 17	29	63	46	19	0	—	48	21	15	9	65	29	15	9	40	
Cornwall Pendennis Castle...	256	65	24	13, 15	15	13, 15 to 17	29	78	35	7	4	210	48	21	15	9	67	30	15	9	5	
10. IRELAND, S.																						
Dublin Kingstown (Cup Anr.)...	49	27	—	15 to 17	3	12 to 17	72	46	23	9	15	250	40	18	15	19	—	—	—	—	—	
Clare Quilty ...	100	40	+	15	4	13 to 17	74	52	33	5	0	—	46	20	15	14	65	29	15	13	45	
Kerry Cahirciveen (Val Obs.)...	98	41	+	15	3	13, 15 to 17	44	63	32	19	7	270	40	18	15	14	66	29	16	22	35	
Cork Weaver Pt. ...	160	30	+	15	1	12, 13, 15, 16	29	78	51	9	0	—	39	17	15	5	57	25	16	20	0	
11a. SCHILLY ISLES.																						
Scilly St. Mary's	150	32	+	14, 15, 17	32	13 to 17	81	40	13	2	0	270	51	23	15	18	71	32	17	16	20	

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SIXTH WEEK of 1923—November 11th to November 17th, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
0. SCOTLAND, NORTH ..	59	23	42.3	35.5	38.9	- 2.6	day-deg. F. 1	day-deg. F. - 14	day-deg. F. 23	day-deg. F. + 5	7	+ 2	inches. 2.49	mm. 63	mm. +33	hr. 0.9	hr. - 0.3	% 12	mb. 989
Eastern.																			
1. SCOTLAND, EAST ..	58	16	42.9	33.9	38.4	- 2.0	3	- 11	28	+ 4	7	+ 3	1.54	39	+21	1.5	- 0.3	18	990
2. ENGLAND, N.E. ..	56	26	46.9	36.4	41.6	- 1.0	14	- 5	17	+ 2	6	+ 2	1.27	32	+18	2.3	+0.5	28	998
3. ENGLAND, EAST ..	54	26	48.3	36.3	42.2	- 0.9	17	- 5	16	+ 1	4	0	0.55	14	- 1	3.7	+1.5	43	1004
4. MIDLAND COUNTIES	54	22	47.1	34.9	41.0	- 1.1	14	- 5	21	+ 3	5	+ 1	1.39	35	+21	2.7	+0.8	31	1003
5. ENGLAND, S.E. ..	54	20	49.5	37.0	43.2	- 1.3	22	- 7	14	+ 3	5	+ 1	1.03	26	+ 9	4.4	+2.0	49	1005
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	54	27	45.1	36.3	40.7	- 1.7	9	- 11	18	+ 3	7	+ 3	2.67	68	+41	—	—	—	994
7. ENGLAND, N.W. (and North Wales)	57	27	48.3	38.4	43.4	+0.1	20	- 2	10	- 2	6	+ 2	3.03	77	+57	1.4	- 0.5	16	998
8. ENGLAND, S.W. (and South Wales)	54	22	49.3	37.1	43.2	- 1.9	22	- 9	14	+ 5	6	+ 2	2.09	53	+31	3.4	+0.9	38	1005
9. IRELAND, NORTH ..	55	30	47.8	37.4	42.6	- 0.8	17	- 5	13	+ 1	7	+ 2	1.97	50	+28	1.7	- 0.5	20	995
10. IRELAND, SOUTH ..	57	29	49.0	38.7	43.8	- 1.0	22	- 8	9	- 1	7	+ 3	1.77	45	+22	2.4	- 0.1	28	1002
11. CHANNEL ISLANDS (and Scilly)	56	37	52.2	43.5	47.8	- 1.1	41	- 9	0	- 1	5	0	1.44	37	+15	4.6	+1.9	51	1008
MEAN: DISTRICTS 1-10	58	16	47.4	36.7	42.0	- 1.1	16	- 7	16	+ 2	6	+ 2	1.73	44	+25	2.6	+0.5	30	999
THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, September 2nd to November 17th, 1923.																			
0. SCOTLAND, NORTH ..	70	22	51.4	41.8	46.4	- 1.1	394	- 99	56	- 7	66	+13	18.75	476	+180	3.0	+ 0.4	28	999
Eastern.																			
1. SCOTLAND, EAST ..	73	16	52.3	40.6	46.3	- 1.2	411	-102	81	- 4	56	+12	8.53	217	+32	3.8	+ 0.8	35	1001
2. ENGLAND, N.E. ..	74	23	55.3	42.7	48.8	- 0.9	576	- 56	55	+15	44	+ 4	5.76	147	- 4	4.0	+ 0.6	36	1007
3. ENGLAND, EAST ..	76	22	57.5	44.0	50.6	- 0.2	699	- 24	40	- 3	41	+ 2	6.91	177	+29	4.4	+ 0.6	40	1010
4. MIDLAND COUNTIES	77	18	56.2	42.5	49.1	- 0.6	609	- 41	60	- 1	45	+ 6	7.59	193	+34	3.6	+ 0.3	33	1009
5. ENGLAND, S.E. ..	76	18	58.4	44.9	51.4	- 0.6	760	- 41	37	+ 7	48	+ 9	9.81	249	+62	4.7	+ 0.8	43	1011
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	71	22	53.4	42.8	47.9	- 1.1	503	- 91	48	0	65	+21	18.54	470	+189	—	—	—	1004
7. ENGLAND, N.W. (and North Wales)	76	24	54.7	44.9	49.6	- 0.7	621	- 48	32	0	59	+15	13.20	335	+117	3.4	+ 0.2	31	1007
8. ENGLAND, S.W. (and South Wales)	75	18	56.6	45.4	50.8	- 0.9	708	- 62	31	+ 7	54	+ 9	12.52	319	+73	3.9	+ 0.2	35	1011
9. IRELAND, NORTH ..	71	25	54.5	43.5	48.8	- 0.9	562	- 66	35	- 1	66	+17	12.57	319	+96	3.3	+ 0.2	31	1005
10. IRELAND, SOUTH ..	74	24	55.7	44.9	50.1	- 0.9	650	- 74	23	- 9	60	+15	10.84	275	+46	3.8	+ 0.3	34	1009
11. CHANNEL ISLANDS (and Scilly)	74	35	58.8	49.4	53.9	- 1.1	920	- 85	0	- 1	51	+ 4	13.16	335	+110	4.5	0.0	41	1013
MEAN: DISTRICTS 1-10	77	16	55.5	43.6	49.3	- 0.8	610	- 61	44	+ 1	54	+11	10.63	270	+67	3.9	+ 0.4	35	1007
THE YEAR. Aggregates, &c., for the Period of 46 Weeks, December 31st, 1922, to November 17th, 1923.																			
0. SCOTLAND, NORTH ..	80	22	51.7	41.6	46.5	+0.1	1803	-198	373	-206	230	+16	52.27	1327	+239	3.4	0.0	26	1007
Eastern.																			
1. SCOTLAND, EAST ..	82	16	52.6	40.7	46.4	- 0.4	1907	-302	500	-169	207	+25	30.20	772	+86	3.6	- 0.4	28	1008
2. ENGLAND, N.E. ..	91	23	54.9	42.8	48.6	+0.1	2479	- 92	349	-141	171	+ 7	21.73	556	+ 3	4.1	- 0.2	32	1011
3. ENGLAND, EAST ..	94	22	57.3	44.1	50.4	+0.8	2985	+32	274	-236	156	- 3	20.72	525	- 2	4.6	- 0.1	36	1013
4. MIDLAND COUNTIES	95	18	56.6	43.0	49.5	+0.4	2763	- 71	340	-215	174	+16	27.05	688	+100	3.8	- 0.4	30	1013
5. ENGLAND, S.E. ..	93	18	57.9	44.8	51.1	+0.4	3140	- 32	220	-167	162	+ 7	26.34	670	+74	4.8	- 0.1	38	1013
Western.																			
6. SCOTLAND, WEST (and Isle of Man)	86	20	53.9	42.5	48.0	- 0.2	2260	-201	327	-111	220	+31	51.12	1294	+283	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)	89	24	54.7	44.4	49.4	+0.2	2598	-102	217	-175	204	+30	35.90	912	+144	3.8	- 0.4	30	1011
8. ENGLAND, S.W. (and South Wales)	93	18	56.5	45.2	50.7	+0.3	2950	- 58	164	-144	186	+12	36.57	929	+97	4.3	- 0.4	34	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.2	28	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly)	90	32	57.9	48.5	53.0	+0.2	3561	- 22	3	- 98	189	+ 9	33.06	840	+144	5.0	- 0.6	40	1015
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses: IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 47.
Vol. XL. (New Series)

FORTY-SEVENTH WEEK.

SUNDAY, NOVEMBER 18TH, TO SATURDAY, NOVEMBER 24TH, 1923.

Price 9d. Net. Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was decidedly drier than of late, but unusually cold for the time of year. There was a good deal of fog, and snow and hail occurred in several places. "Snow lying" was recorded in many parts of the country, Balmoral registering a depth of 10 inches and Inverness 3 inches. The total amount of precipitation for the week was above the normal in Scotland E., England N.E. and the Channel Islands but in the other Districts it was below normal, in fact at a few stations the measurement was "nil." The largest amounts recorded were 14mm. at Aberdeen and 13mm. at Wick on the 18th, 15mm. at Achnashellach (Ross-shire) on the 19th, 19mm. at Pembroke (St. Ann's Head) on the 20th and 17mm. at Guernsey on the 23rd, while Gordon Castle (Elgin) measured 18mm. on the 20th and 17mm. on the 23rd. The mean temperature for the week was well below the normal in all Districts, the average deficit being about 6°F. The highest temperatures occurred during the early part of the week in most places and with one or two exceptions they did not reach 50°F. On one or two days later in the week some very low readings were registered, the day temperatures

in places not exceeding 35°F., while the maximum temperatures recorded at Balmoral and Renfrew on the 23rd were only 29°F., and at Birr Castle on the 24th temperature did not rise above 28°F. The nights were again very cold and in some parts of the country the readings of the screen minimum thermometer were exceptionally low, the actual lowest reading, 13°F., being registered at West Linton (Peebles) on the 24th. There were several grass temperatures of between 10° and 15°F., while at Renfrew on the 24th a reading as low as 9°F. was recorded. The total amount of sunshine for the week was in excess of the normal at nearly all stations. The departure of the mean daily duration of sunshine from the normal for the week ranged from +3.6 hours at Falmouth to -1.1 hours in London (Greenwich) and at Cockle Park (Northumberland). Thunder and lightning occurred in several places. Aurora was observed at Seskin (Carriek-on-Suir) on the 20th. Solar halos were seen at Richmond (Kew Observatory) on the 21st, at Ross-on-Wye on the 22nd and at Oxford on the 18th, 20th, 21st and 22nd. Lunar halos were observed on various dates in many parts of the country.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E. Gorleston.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.	Fre- quency.	Mean Value.
	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s	m.p.h.	m/s
South	0	—	0	—	5	2 1.0	6	4 1.6	1	6 2.6	0	—	4	6 2.8	2	1 0.3
North	26	13 5.7	18	7 3.2	17	6 2.7	15	4 1.6	21	11 4.9	24	12 5.3	15	5 2.2	19	10 4.3
West	14	9 4.1	24	9 4.2	20	7 3.0	11	5 2.2	13	19 8.7	12	18 7.9	26	15 6.9	6	14 6.1
East	10	6 2.6	2	5 2.3	4	6 2.7	0	—	8	6 2.6	14	6 2.6	0	—	16	3 1.5
Calm (or wind- speed < 4 m.p.h.)	1	—	2	—	4	—	7	—	4	—	1	—	1	—	6	—
No record ...	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	Channel Islands (and Scilly).
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ..	Warmth	Deficient	Very Deficient	Deficient	Deficient	Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient
	Rainfall	Light	Moderate	Moderate	Moderate	Light	Light	Very Light	Light	Light	Light	Light	Moderate
	Sunshine	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	—	Abundant	Abundant	Abundant	Very Abundant	Very Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 12 weeks from Sept. 2nd, 1923.	Warmth	..	1, 6, 5	1, 6, 5	2, 7, 3	4, 4, 4	3, 6, 3	4, 4, 4	1, 5, 6	2, 6, 4	2, 5, 5	2, 5, 5	1, 7, 4	2, 6, 4
	Rainfall	..	8, 3, 1	6, 4, 2	3, 5, 4	4, 7, 1	4, 4, 4	5, 4, 3	7, 4, 1	4, 7, 1	4, 5, 3	4, 6, 2	4, 6, 2	5, 7, 0
	Sunshine	..	6, 6, 0	9, 3, 0	6, 5, 1	4, 6, 2	4, 7, 1	8, 3, 1	—	6, 4, 2	5, 5, 2	4, 6, 2	5, 5, 2	3, 8, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.						
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	45	18th	32	24th	42.0	35.3	38.7	-2.6	5	0.62	16	-9	Lerwick	2.0	hr.	29	—	—	—	—	—	
Orkneys	Deerness	160	p	43	18, 19, 20	30	24th	41.7	34.1	37.9	-3.5	6	0.65	16	-7	Deerness	1.0	+0.1	14	—	—	—	—	—	
Hebrides	Stornoway	51	44	20th	28	23rd	40.4	32.9	36.7	-4.8	7	1.15	29	-6	Stornoway	1.6	+0.5	22	—	—	—	—	—		
	Castlebay	37	t	45	18th	36	23rd	43.0	37.3	40.1	—	5	0.57	15	—	Castlebay	3.7	—	49	—	—	—	—	—	
Caithness	Wick	81	44	20th	28	24th	41.1	33.6	37.3	-3.3	5	0.76	19	+1											
Ross and Cromarty	Strathpeffer	125	a	43	20th	—	—	39.6	—	—	—	4	0.14	4	-14										
	Achnashellach	225	h	42	18th	22	24th	37.1	29.1	33.1	—	3	1.16	29	—	Achnashellach	—	—	7	13	—	—	—	—	
Inverness	Inverness	242	h	41	18, 20	26	24th	37.9	32.3	35.1	—	3	0.32	8	—	Inverness	1.4	—	19	4	24	—	—	—	
	Fort Augustus	68	h	47	20th	23	24th	40.1	29.0	34.5	-5.9	3	0.20	5	-23										
	Onich	48	h	44	18th	26	24th	40.4	31.7	36.1	—	2	0.21	5	—	Onich	3.5	—	46	7	17	—	—	—	
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	41	18, 20	27	24th	37.9	33.1	35.5	-4.2	5	0.66	17	+5	Nairn	1.1	—	15	—	—	—	—	—	
Elgin	Gordon Castle	101	p	42	19, 21, 22	21	24th	39.6	30.3	34.9	-5.8	7	2.59	66	+52	Gordon Castle	0.9	—	12	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	43	20th	30	24th	39.6	34.1	36.9	—	6	1.07	27	+12	Aberdeen	1.9	+0.1	25	3	26	—	—	43.8 -1.3	
	Balmoral	930	a	38	18, 24	16	24th	35.3	26.9	31.1	-5.8	7	0.64	16	-2	Balmoral	—	—	7	13	—	—	—	—	
Perth	Crieff	478	p	43	20th	24	24th	40.6	29.6	35.1	-4.7	0	0.00	0	-22	(Kinc.) Crathes	—	—	7	23	37.7	—	—	41.3	
Forfar	Dundee	147	a	42	18, 19, 22	27	24th	40.1	32.4	36.3	—	1	0.09	2	—	Dundee	2.3	—	31	5	24	37.1	—	—	
Fife	Inchkeith	190	t	42	18, 19, 20	32	24th	40.4	35.9	38.1	—	2	0.08	2	—	Inchkeith	1.9	—	24	2	28	—	—	—	
Midlothian	Edinburgh	441	p	40	18, 19, 21	28	24th	38.9	32.7	35.8	-4.9	2	0.11	3	-8	Edinburgh	1.7	-0.3	22	3	24	—	—	—	
Peebles	West Linton	770	a	39	19, 20, 21	13	24th	37.1	25.4	31.3	-5.2	5	0.33	8	—	West Linton	—	—	7	11	—	—	—	—	
Berwick	Marchmont	498	a	41	20th	27	24th	38.0	31.6	34.8	-4.5	6	0.79	20	+5	Marchmont	1.7	+0.1	22	—	—	—	—	—	
6a. SCOTLAND, W.																									
Argyle	Ford	149	a	44	24th	22	24th	41.9	29.6	35.7	—	3	0.25	6	—	Ford	—	—	7	16	39.4	—	—	46.0	
Renfrew	Renfrew	49	t	44	20th	19	24th	39.3	28.6	33.9	—	0	0.00	0.1	—	Renfrew	2.4	—	31	5	9	—	—	—	
Bute	Rothsay	200	p	43	20th	28	24th	39.7	32.4	36.1	-6.1	2	0.10	3	-27	Rothsay	3.8	—	49	4	22	37.6	—	45.0 -1.3	
Ayr	Kilmarnock	90	a	45	20th	19	24th	40.4	26.9	33.7	-6.5	1	0.01	0.2	-22	Kilmarnock	2.1	—	27	—	—	37.9	—	46.5	
	Colmonell	170	a	45	18, 19, 24	20	23rd	43.4	29.1	36.3	-5.6	2	0.12	3	-27	Colmonell	—	—	4	16	—	—	—	—	
Dumfries	Dumfries	140	p	42	19th	23	24th	40.3	30.3	35.3	-5.5	0	0.00	0.1	-21	Dumfries	3.2	—	40	6	17	38.7	-2.1	45.5 -0.3	
	Eskdalemuir	794	t	38	21st	25	24th	36.1	30.3	33.2	—	4	0.15	4	—	Eskdalemuir	3.8	—	49	6	20	—	—	—	
6b. ISLE OF MAN.																									
I. of Man	Douglas	284	h	45	19th	31	24th	43.3	35.6	39.5	-4.1	2	0.08	2	-26	Douglas	4.0	+2.0	49	4	24	—	—	—	—
2. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	44	18th	26	24th	39.7	31.3	35.5	-4.4	6	0.70	18	+5	Cockle Park	1.1	-1.1	13	7	24	36.2	-3.0	42.6 -1.4	
	Tynemouth	118	t	44	20th	23	24th	41.3	34.9	38.1	-3.7	7	1.07	27	+17	Tynemouth	—	—	—	—	—	—	—	—	
Durham	Durham	336	p	41	20th	25	24th	38.6	31.3	34.9	-5.6	5	0.48	12	+2	Durham	2.4	+0.6	30	5	23	—	—	—	
York	Rounton	249	p	42	19th	25	24th	38.4	30.1	34.3	-6.1	5	0.90	23	+12	Rounton	—	—	7	18	38.9	—	—	—	
N. Riding	West Witton	605	a	41	19th	31	23, 24	33.7	32.9	33.8	—	3	0.38	10	—	West Witton	—	—	7	23	36.5	—	—	43.6	
	Scarborough	118	h	46	20th	34	24th	43.6	35.7	39.7	-2.9	7	0.94	24	+12	Scarborough	2.1	+0.5	26	—	—	—	—	44.2	
	York	56	p	44	19th	29	24th	40.4	32.6	36.5	-5.0	4	0.31	8	-2	York	2.6	+1.3	32	—	—	40.6	-2.8	46.4 -1.4	
E. Riding	Spurn Head	26	t	43	23rd	33	24th	41.1	36.0	38.5	-4.4	5	0.78	20	+11	Spurn Head	2.4	—	29	—	—	—	—	—	
Lincoln	Lincoln	58	a	43	19th	24	24th	40.3	30.9	35.6	-5.6	4	0.30	8	-2	Lincoln	—	—	6	24	37.6	-3.6	45.7 -1.7		
	Cranwell	237	t	42	18, 19	27	24th	39.0	30.6	34.8	-6.5	4	0.27	7	-3	Cranwell	2.9	+1.0	35	6	23	—	—	—	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	3.0	+0.7	36	—	—	—	—	—	
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	44	19, 21	32	18th	42.8	34.3	38.5	-3.8	7	0.74	19	+10	Cromer	1.9	+0.1	23	—	—	—	—	—	
	Yarmouth	13	t	44	18th	30	24th	40.7	33.3	37.0	-5.2	6	0.88	22	+11	Yarmouth	1.7	—	21	6	28	40.9	-2.4	46.0 -2.4	
	Norwich	93	a	42	19th	29	24th	39.4	31.4	35.4	-5.8	5	0.63	16	+4	Norwich	1.6	—	19	7	22	36.5	—	—	
	Geldeston	37	a	45	18, 21	27	24th	40.8	30.9	35.9	-6.1	5	0.37	9	-2	Geldeston	2.0	+0.2	24	—	—	—	—	—	
Cambridge	Cambridge	41	p	45	18th	27	20, 24	41.0	30.7	35.9	-5.3	3	0.09	2	-7	Cambridge	2.6	+0.8	30	6	22	39.4	-3.3	46.9 -1.6	
Hertford	Rothamsted	420	a	42	18, 19	27	18, 23	38.4	30.6	34.5	-6.4	3	0.04	1	-11	Rothamsted	2.5	+0.7	30	6	21	38.5	—	—	
Middlesex	Tottenham	51	p	45	19th	30	20, 23	41.3	32.9	37.1	—	0	0.00	0	—	Tottenham	1.0	—	12	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	43	18, 19	31	20th	40.3	33.3	36.8	-5.4	2	0.24	6	-3	Clacton-on-Sea	2.6	+0.7	31	4	21	40.0	-4.9	47.2 -2.3	
	Southend	90	h	46	18th	28	20th	40.7	34.3	36.0	—	1	0.08	2	—	Southend	1.6	—	19	5	27	40.6	—	—	
4. MIDLAND COUNTIES.																									
York	Harrogate	479	h	42	19th	29	23, 24	39.0	31.9	35.5	-4.8	4	0.27	17	-5	Harrogate	3.1	+1.5	38	6	19	39.6	-2.6	44.0 -1.1	
W. Riding	Sheffield	429	p	42	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	
Derby	Buxton	987	p	38	19, 21, 24	23	24th	37.0	29.4	33.2	-5.6	3	0.49	13	-8	Buxton	2.3	—	28	5	17	36.0	-3.8	43.9 -2.2	
Nottingham	Worksop (Hods'ckP)	56	a	45	19th	26	24th	41.4	31.0	36.2	-5.0	4	0.25	6	-3	Worksop	2.1	+0.8	26	7	17	38.1	—	44.7	
	Nottingham	82	t	44	19th	24	24th	40.7	31.9	36.3	-4.9	2	0.13	3	—	Nottingham	1.4	+0.2	17	6	21	37.6	-2.9	44.1 -1.7	
Warwick	Birmingham (Edg.)	525	t	43	18, 19	26	24th	39.6	31.7	35.7	-5.4	4	0.24	6	-5	Birmingham	1.8	+0.7	22	6	17	39.1	-3.7	47.4 -0.7	
Northampton	Oundle	147	a	43	18th	27	24th	40.6	30.3	35.5	—	3	0.12	3	—	Oundle	3.1	—	37	6	20	39.3	—	47.2	
Oxford	Oxford	208	p	46	19																				

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day		Ground Temperature							
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Ad-justed Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.								*F.		*F.		*F.		*F.	
Cardigan	Aberystwyth ...	16	h	45	18, 19	26	24th	45.0	33.4	38.2	—	3	0.49	12	—	Aberystwyth	3.6	+1.7	43	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	46	18th	32	24th	44.0	35.9	39.9	- 6.1	3	0.91	23	+ 4	St. Ann's Hd.	4.7	+2.8	56	—	—	—	—	—	
Radnor	Rhayader... ..	757	a	42	18, 19	23	24th	39.4	29.0	34.2	—	3	0.36	9	—	Rhayader ..	2.9	—	35	7	10	—	—	—	
Glamorgan	Cardiff	202	p	46	18th	26	24th	42.7	31.7	37.2	- 5.0	1	0.03	1	- 19	Cardiff ..	3.4	—	40	6	19	38.8	- 4.4	47.6	- 1.2
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	46	18, 19	26	23rd	41.1	30.9	36.0	- 6.4	1	0.01	0.3	- 14	Bath	2.0	+0.1	24	—	—	40.6	—	47.9	—
Dorset	Shaftesbury ...	722	a	43	18, 19	27	23, 24	38.6	30.0	34.3	- 7.4	3	0.08	2	- 14	Shaftesbury ..	—	—	—	—	—	—	—	47.6	—
	Portland Bill ...	19	t	47	18, 19	33	23rd	43.0	37.0	40.0	- 6.5	1	0.12	3	- 11	Weymouth ..	4.1	—	47	—	—	—	—	—	—
Devon	Arlington	613	a	45	19th	21	22nd	41.4	31.4	36.4	- 6.3	3	0.32	8	- 20	Cullompton ..	3.2	+1.5	38	7	14	41.2	—	—	—
	Cullompton	202	a	48	19th	22	22nd	41.6	29.0	35.3	- 7.5	3	0.41	10	- 8	Plymouth ..	5.4	+3.3	63	6	22	41.1	- 4.5	49.9	—
	Plymouth... ..	116	p	47	18, 19	27	22nd	44.0	32.9	38.5	- 6.9	3	0.28	7	- 12	Newquay ..	5.2	+2.9	60	—	—	43.6	—	50.1	—
Cornwall	Newquay	190	h	47	18th	27	22nd	43.9	34.0	38.9	- 7.7	3	0.42	11	- 7	Falmouth ..	5.9	+3.6	68	4	23	42.0	—	49.3	—
	Falmouth	167	h	48	18, 19	29	24th	45.6	34.7	40.1	- 6.2	3	0.65	17	- 8										
9. IRELAND, N.																									
Donegal	Malin Head	71	t	46	18, 19	30	24th	44.1	36.9	40.5	- 3.7	7	0.63	16	- 3	Malin Head ..	1.8	—	23	—	—	—	—	—	—
Mayo	Blacksod Point ...	10	t	46	18th	24	24th	43.4	31.3	37.3	- 7.9	6	0.73	19	- 12	Mallarany ..	—	—	—	—	—	—	—	—	—
	Mallarany	120	a	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	3.0	+1.4	38	7	15	41.0	- 3.7	47.8	- 1.3
Sligo	Markree Castle ...	122	p	45	20th	18	24th	42.1	26.9	34.5	- 7.6	3	0.62	16	- 9	Armagh ..	2.4	+0.7	30	6	18	39.1	- 4.4	46.3	- 1.6
Armagh	Armagh	204	p	45	20th	22	24th	39.0	28.0	33.5	- 8.7	3	0.43	11	- 6	Trinity Coll.	—	—	—	7	24	40.3	- 4.5	47.0	- 1.4
Down	Donaghadee	35	t	46	19, 20	34	18, 23	44.1	37.3	40.7	- 3.0	2	0.24	6	- 12	Phoenix Park	1.8	- 0.3	22	7	19	—	—	—	—
																Dublin City ..	—	—	—	7	23	—	—	—	—
10. IRELAND, S.																Birr Castle ..	2.1	+0.2	25	7	18	—	—	—	—
Dublin	Dublin City	54	p	43	20th	26	22nd	38.1	30.7	34.4	- 9.8	4	0.14	4	- 9	Seskin	2.2	—	26	7	24	—	—	—	—
King's County	Birr Castle	175	t	43	20th	22	24th	36.3	28.4	32.3	- 9.6	3	0.06	1	- 15										
Kilkenny	Kilkenny	195	a	43	19, 20	24	24th	38.0	28.7	33.3	- 9.1	1	0.02	1	- 15										
Waterford	Waterford	137	a	50	18, 19	25	22nd	41.0	30.2	35.6	- 8.0	2	0.02	1	- 18										
	Seskin, Carrick-on-Suir	542	p	41	20th	24	24th	35.4	29.0	32.2	—	1	0.28	7	—										
Limerick	Foynes	50	a	46	18th	28	22, 23	41.4	32.4	36.0	- 7.1	5	0.19	5	- 16										
Kerry	Cahiriveen (Val.O.)	30	t	47	18, 19	29	24th	44.7	35.1	39.9	- 6.5	5	0.61	15	- 13	Cahiriveen	4.9	+2.9	57	3	20	—	—	—	—
	Killarney	174	a	45	19, 20	25	22nd	39.9	30.6	35.3	- 9.3	3	0.65	17	- 13	(Valencia O.)	5.0	+3.2	59	—	—	—	—	—	—
Cork	Rochie's Point ...	32	t	45	18, 19	30	23rd	42.4	34.0	38.2	- 7.6	5	0.14	3	- 19	Ballinacurra	—	—	—	—	—	—	—	—	—
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	49	18th	36	23rd	47.3	38.6	42.9	- 5.8	5	0.44	11	- 6	St. Mary's ..	5.3	+3.3	61	—	—	—	—	—	—
Guernsey	Grange	173	p	50	19th	34	22nd	46.1	38.1	42.1	- 5.3	6	1.33	34	+14	Grange ..	3.6	+1.7	41	3	26	43.2	- 4.6	50.7	- 1.5
Jersey	St. Aubins	25	t	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS OF WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, November 24th, 1923.

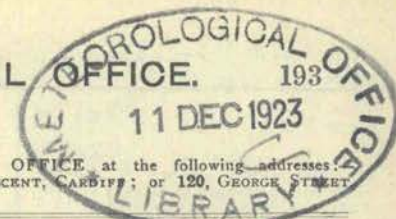
DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Buildings.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h	m/s.	d.	hr.	m.p.h	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	†	18	2	18, 21, 24	24	71	41	18	12	360	44	20	18	8	65	29	18	8	30
Orkneys **Deerness (Cup Anr.)	188	16	5	18	4	18, 19	21	66	64	13	0	320	40	18	18	9	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	†	—	0	18	12	68	86	2	0	310	32	14	18	15	55	25	18	15	55
Edinburgh Edinburgh ...	485	39	31	—	0	—	0	62	98	8	0	260	24	11	18	2	38	17	18	3	35
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	—	0	6	100	62	0	360	15	7	20	11	33	15	18	15	35
Dumfries Eskdalemuir ...	825	50	22	—	0	18, 19	14	56	62	36	0	290	31	14	18	18	45	20	18	18	0
2. ENGLAND, N.E.																					
Durham South Shields... ...	72	61	12	—	0	18	8	67	90	3	0	260	28	13	18	4	43	19	18	6	55
York, E.R. Spurn Head ...	67	41	†	—	0	18 to 20	26	104	38	0	0	290	28	13	19	21	36	16	19	15	40
Lincoln Cranwell ...	280	43	31	—	0	—	0	66	(99)	(3)	0	240	19	9	18	14	24	11	18	14	15
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	†	—	0	—	0	24	120	24	0	10	24	11	22	18	34	15	22	17	40
Essex Shoeburyness... ...	103	90	†	—	0	—	0	43	115	1	9	220	18	8	19	13	29	13	19	12	50
5. ENGLAND, S.E.																					
Surrey Richmond ...	82	65	22	—	0	—	0	0	65	103	0	270	11	5	18	14	24	11	18	14	5
Kent Lympne ...	409	70	†	—	0	—	0	27	138	3	0	320	18	8	19	6	24	11	19	14	15
Surrey Croydon ...	284	40	24	—	0	—	0	1	111	56	0	270	13	6	18	18	23	10	19	13	45
Hampshire Petersfield (Stoner Hill)... ...	811	42	†	—	0	—	0	2	151	7	8	290	13	6	19	10	22	10	18	11	50
Hampshire S. Farnboro' ...	444	160	—	—	0	—	0	44	108	8	8	310	20	9	19	12	30	13	19	11	55
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	85	(83)	(0)	0	300	24	11	18	14	32	14	18	14	30
7a. ENGLAND, N.W.																					
Lancashire *Fleetwood (Cup Anr.)... ...	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	18, 19	26	38	88	16	0	270	36	16	18	11	51	23	18	11	45
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	†	—	0	18 to 20	46	38	66	18	0	270	36	16	18	10	48	21	18	10	5
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	—	0	20	131	17	0	—	19	9	18	2	38	17	18	13	55
Cornwall Pendeennis Castlej ...	256	65	24	—	0	—	0	39	84	21	24	270	21	9	18	16	43	19	18	16	0
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)... ...	49	27	—	—	0	18 to 20	34	75	50	9	0	250	37	17	18	10	—	—	—	—	—
Clare Quilly ...	100	40	†	—	—	18	6	62	24	76	0	—	29	13	18	10	53	24	18	10	0
Kerry Cahirciveen (Val. Obs.)... ...	98	41	†	—	0	18	1	60	61	46	0	360	25	11	18	12	53	23	19	17	10
Cork Weaver Pt. ...	160	30	—	—	0	19	1	60	102	5	0	—	26	12	19	13	42	19	18	13	45
11a. SCILLY ISLES.																					
Scilly St. Mary's ...	150	32	†	18	3	18 to 20	56	27	76	6	0	310	41	18	18	6	63	28	18	6	5

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FORTY-SEVENTH WEEK of 1923—November 18th to November 24th, 1923.																		
		Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal								Below 42°	
		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.			inches.	mm.	mm.	hr.	hr.	%	
0. SCOTLAND, NORTH .. Eastern.		47	22	40.2	31.9	36.1	- 4.3	0	- 12	41	+20	4	- 1	0.61	15	- 19	1.4	+0.4	19	1008
1. SCOTLAND, EAST ..		43	13	38.6	30.9	34.7	- 4.9	0	- 11	51	+24	5	+ 1	0.77	19	+ 4	1.7	+0.1	23	1007
2. ENGLAND, N.E. ..		46	24	40.3	32.6	36.4	- 5.2	0	- 15	39	+22	5	+ 1	0.64	16	+ 5	2.3	+0.5	29	1006
3. ENGLAND, EAST ..		45	27	40.6	32.2	36.4	- 5.2	0	- 16	39	+20	4	0	0.37	9	- 2	2.1	+0.3	24	1006
4. MIDLAND COUNTIES		46	21	40.4	30.7	35.6	- 5.4	0	- 15	45	+23	3	- 1	0.13	3	- 8	2.7	+1.1	32	1007
5. ENGLAND, S.E. ..		49	23	41.2	31.3	36.3	- 6.7	0	- 22	40	+25	2	- 2	0.13	3	- 11	2.7	+0.9	32	1007
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		45	19	41.2	30.4	35.8	- 6.0	0	- 17	43	+26	1	- 4	0.08	2	- 28	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		46	20	41.0	33.0	37.0	- 5.5	0	- 18	35	+20	3	- 1	0.20	5	- 15	2.9	+1.3	36	1008
8. ENGLAND, S.W. (and South Wales)		48	21	42.1	32.3	37.2	- 6.9	0	- 26	34	+23	2	- 2	0.32	8	- 13	4.1	+2.2	48	1009
9. IRELAND, NORTH ..		46	18	41.5	31.5	36.5	- 6.5	0	- 20	39	+26	4	- 1	0.45	11	- 11	2.7	+1.0	34	1011
10. IRELAND, SOUTH ..		50	22	40.2	31.3	35.7	- 8.6	0	- 27	44	+33	3	- 1	0.23	6	- 15	3.4	+1.4	41	1013
11. CHANNEL ISLANDS (and Scilly)		50	34	46.5	38.3	42.4	- 5.6	13	- 31	10	+ 8	6	+ 1	1.03	26	+ 7	4.1	+2.2	48	1009
MEAN: DISTRICTS 1-10		50	13	40.7	31.6	36.2	- 6.1	0	- 19	41	+24	3	- 1	0.33	8	- 9	2.7	+1.0	33	1008
THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, September 2nd to November 24th, 1923.																				
0. SCOTLAND, NORTH .. Eastern.		70	22	50.4	40.9	45.5	- 1.4	394	-111	97	+13	70	+12	19.36	491	+161	2.8	+0.3	27	1000
1. SCOTLAND, EAST ..		73	13	51.2	39.8	45.3	- 1.6	411	-113	132	+20	61	+13	9.30	236	+36	3.6	+0.7	35	1001
2. ENGLAND, N.E. ..		74	23	54.0	41.9	47.8	- 1.2	576	- 71	94	+37	49	+ 5	6.40	163	+ 1	3.8	+0.6	36	1007
3. ENGLAND, EAST ..		76	22	56.1	43.1	49.4	- 0.7	699	- 40	79	+17	45	+ 2	7.28	186	+27	4.2	+0.6	39	1010
4. MIDLAND COUNTIES		77	18	54.9	41.5	48.0	- 0.9	609	- 56	103	+22	48	+ 5	7.72	196	+26	3.5	+0.4	33	1009
5. ENGLAND, S.E. ..		76	18	57.0	43.7	50.1	- 1.1	760	- 63	77	+32	50	+ 7	9.94	252	+51	4.5	+0.8	42	1011
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		71	19	52.4	41.7	46.9	- 1.5	503	-108	91	+26	66	+17	18.62	472	+161	—	—	—	1004
7. ENGLAND, N.W. (and North Wales)		76	20	53.5	43.9	48.6	- 1.1	621	- 66	67	+20	62	+14	13.40	340	+102	3.4	+0.3	32	1007
8. ENGLAND, S.W. (and South Wales)		75	18	55.4	44.3	49.7	- 1.3	708	- 88	65	+30	56	+ 7	12.84	327	+60	3.9	+0.4	36	1011
9. IRELAND, NORTH ..		71	18	53.4	42.5	47.8	- 1.3	562	- 86	74	+25	70	+16	13.02	330	+85	3.3	+0.3	31	1005
10. IRELAND, SOUTH ..		74	22	54.4	43.8	48.9	- 1.5	650	-101	67	+24	63	+14	11.07	281	+31	3.7	+0.3	35	1009
11. CHANNEL ISLANDS (and Scilly)		74	34	57.8	48.5	53.0	- 1.4	933	-116	10	+ 7	57	+ 5	14.19	361	+117	4.5	+0.2	41	1013
MEAN: DISTRICTS 1-10		77	13	54.2	42.6	48.3	- 1.2	610	- 79	85	+25	57	+10	10.96	278	+58	3.8	+0.5	35	1007
THE YEAR. Aggregates, &c., for the Period of 47 Weeks, December 31st, 1922, to November 24th, 1923.																				
0. SCOTLAND, NORTH .. Eastern.		80	22	51.5	41.4	46.2	- 0.1	1803	-210	414	-186	234	+15	52.88	1342	+220	3.3	0.0	26	1007
1. SCOTLAND, EAST ..		82	13	52.3	40.4	46.1	- 0.5	1907	-313	551	-145	212	+26	30.97	791	+90	3.6	- 0.3	28	1008
2. ENGLAND, N.E. ..		91	23	54.6	42.6	48.4	+0.1	2479	-107	388	-119	176	+ 8	22.37	572	+ 8	4.1	- 0.1	32	1011
3. ENGLAND, EAST ..		94	22	56.9	43.8	50.1	+0.7	2985	+16	313	-216	160	- 3	21.09	534	- 4	4.6	- 0.1	36	1013
4. MIDLAND COUNTIES		95	18	56.3	42.7	49.2	+0.3	2763	- 86	385	-192	177	+15	27.18	691	+92	3.7	- 0.4	29	1012
5. ENGLAND, S.E. ..		93	18	57.6	44.5	50.8	+0.3	3140	- 54	260	-142	164	+ 5	26.47	673	+63	4.8	0.0	38	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	19	53.7	42.2	47.7	- 0.4	2260	-218	370	- 85	221	+27	51.20	1296	+255	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		89	20	54.4	44.2	49.1	+0.1	2598	-120	252	-155	207	+29	36.10	917	+129	3.8	- 0.4	30	1011
8. ENGLAND, S.W. (and South Wales)		93	18	56.2	45.0	50.4	+0.2	2950	- 84	198	-121	188	+10	36.89	937	+84	4.3	- 0.3	34	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.6	- 0.2	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly)		90	32	57.7	48.3	52.8	+0.1	3574	- 53	13	- 90	195	+10	34.09	866	+151	5.0	- 0.5	40	1015
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.



ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE, at the following addresses: IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

FORTY-SIXTH YEAR. } No. 48.
Vol. XL (New Series) }

FORTY-EIGHTH WEEK.

SUNDAY, NOVEMBER 25TH, TO SATURDAY, DECEMBER 1ST, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week continued to be of a very wintry character. Snow fell in many parts of our Islands and "snow lying" was registered in several places, notably in Scotland. Among the largest measurements of precipitation were 33mm. at Roches Point on the 26th, 16mm. at Ford (Argyll) and Mallarany (Mayo) on the 30th, 22mm. at Colmonell (Ayr), 19mm. at Cardiff, 18mm. at Marlborough (Wilts), 17mm. at Culmpton (Devon), 16mm. at Falmouth and at Porton (Salisbury Plain) and 15mm. at Arlington Court (Devon), Cheadle (Staffs.), Malvern (Worcester) and at Foynes (Limerick) on Dec. 1st. The total amount of precipitation for the week was below the normal in all Districts with the exception of England N.E. and Ireland S., where it was slightly above normal. The highest temperatures of the week occurred on Dec. 1st, in nearly all parts, and in a few places maximum readings of about 50°F. were recorded. During the early part of the week some very low day temperatures were registered, the maxima in some parts failing to reach 30°F., while at Andover on the 25th temperature did not rise above 26°F. The night temperatures were again extremely low for the time of year. Screen minima below 20°F. were recorded in several places and at Rothamsted on the 27th and at West Linton

(Peebles) on the 30th readings as low as 12°F. were registered. In some parts of the country the average screen minimum temperature for the seven days was below 25°F. and at one or two stations it was round about 20°F. Ground temperatures were very low everywhere and in a few places readings of 10°F. were recorded. The mean temperature for the week was well below the normal in all Districts, the greatest deficit 10·8°F., being shown in England S.E. Several good records of sunshine were obtained, notably at the beginning and towards the end of the week, and at most stations the total amount of sunshine for the week was in excess of the normal. The departure of the mean daily duration of sunshine from the normal for the week ranged from +2·1 hrs. at Cromer to -1·1 hrs. at Nottingham. Mist or fog occurred in many parts of the country. A solar halo was seen at Ross-on-Wye on November 27th. Lunar halos were observed on various dates in several places.

The mean temperature for the Autumn season (13 weeks from September 2nd), has been below the normal in all parts of the British Isles while rainfall and sunshine have been above normal over the country generally.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM		SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Seilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahiriveen.			
		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.					
		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s		m.p.h. m/s							
South	...	15	9	3·9	14	8	3·6	8	8	3·7	3	12	5·4	15	10	4·5	12	12	5·4	16	9	3·9	8	7	3·1								
North	...	8	4	1·9	4	10	4·3	9	4	1·7	6	6	2·8	9	11	4·7	3	4	1·6	9	9	3·8	12	4	1·9								
West	...	15	6	2·6	15	11	4·7	11	4	1·9	1	3	1·2	11	8	3·6	6	12	5·4	12	7	3·2	4	5	2·3								
East	...	7	4	1·9	3	4	2·0	7	16	7·0	9	7	3·2	16	9	4·2	10	11	5·0	11	10	4·5	15	4	1·7								
Calm (or wind- speed < 4 m.p.h.)		4	—	—	7	—	—	9	—	—	16	—	—	1	—	—	4	—	—	2	—	—	8	—	—								
No record		0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	8	—	—	0	—	—	0	—	—								

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Seilly).
Comparison with the normal for the time of year ...		Warmth	Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Very Deficient	Deficient	Very Deficient	Very Deficient
		Rainfall	Light	Moderate	Moderate	Light	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Moderate
		Sunshine	Moderate	Moderate	Moderate	Moderate	Moderate	—	Abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 13 weeks from Sept. 2nd, 1923.		Warmth	.. 1, 6, 6	1, 6, 6	2, 7, 4	4, 4, 5	3, 6, 4	4, 4, 5	1, 5, 7	2, 6, 5	2, 5, 6	2, 5, 6	1, 7, 5	2, 6, 5
		Rainfall	.. 8, 3, 2	6, 5, 2	3, 6, 4	4, 7, 2	4, 5, 4	5, 5, 3	7, 5, 1	4, 7, 2	4, 6, 3	4, 7, 2	4, 7, 2	5, 8, 0
		Sunshine	.. 6, 7, 0	9, 4, 0	6, 6, 1	4, 7, 2	4, 8, 1	8, 4, 1	—	7, 4, 2	6, 5, 2	4, 7, 2	5, 6, 2	4, 8, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

194 [TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

* From March 1st, 1921, the extreme temperatures reported for the telegraphic stations of the Daily Weather Report have been the day-maximum and night-minimum and refer to the periods 7h. to 18h. and 18h. to 7h. respectively. The stations in question are indicated by a "t" in this table. The letters *a* and *p* retain their significance, *a* indicating that the extremes are for 24 hours beginning or ending at the morning observations, *p* for 24 hours ending in the evening. From April 3rd, 1921, the maxima and minima at the stations which are indicated by "h" have been for the periods 9h. to 17h. and 17h. to 9h. respectively. † Temperatures recorded on a Glaisher stand. ‡ Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature					
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week	Deviation from Normal.	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.								*F.		*F.		*F.		*F.	
Cardigan	Aberystwyth	16	h	48	1st	27	30th	42.3	32.6	37.5	—	12	0.22	6	—										
Pembroke	St. Ann's Hd.	149	t	50	1st	31	28th	43.1	36.4	39.7	- 6.1	12	0.39	10	- 14										
Radnor	Rhayader...	757	a	—	—	—	—	—	—	—	—	—	—	—	—										
Glamorgan	Cardiff	202	p	47	1st	24	25th	38.1	29.4	33.7	- 8.4	1	0.73	19	- 7										
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	48	1st	19	26th	36.9	25.0	30.9	-11.3	1	0.57	14	- 4										
Dorset	Shaftesbury	722	a	46	1st	23	27th	37.4	27.3	32.3	- 9.0	1	0.48	12	- 7										
	Portland Bill	19	t	47	1st	30	29th	41.3	33.9	37.6	- 8.6	1	0.55	14	- 3										
Devon	Arlington	613	a	45	30th	23	25th	40.0	32.7	36.3	- 6.1	2	0.71	8	- 17										
	Cullompton	202	a	49	1st	18	25th	40.3	25.3	32.8	- 9.8	3	0.72	18	- 4										
	Plymouth...	116	p	50	1st	24	25th	41.6	29.7	35.7	- 9.6	4	0.64	16	- 8										
Cornwall	Newquay	190	h	50	1st	26	25th	42.9	32.0	37.5	- 9.0	3	0.49	12	- 11										
	Falmouth...	167	h	51	1st	29	30th	44.7	33.6	39.1	- 7.1	5	0.83	21	- 10										
9. IRELAND, N.																									
Donegal	Malin Head	71	t	45	1st	30	28th	42.4	35.3	38.9	- 4.8	4	0.72	18	0										
Mayo	Blacksod Point	10	t	49	30th	30	27. 30	45.0	32.6	38.8	- 6.1	5	0.82	21	- 10										
	Mallarany	120	a	50	30th	32	25. 28. 30	43.6	34.4	39.0	—	5	1.79	45	—										
Sligo	Markree Castle	122	p	44	27, 1	28	30th	42.3	29.4	35.9	- 5.8	5	1.09	28	+ 3										
Armagh	Armagh	204	p	42	1st	27	30th	40.3	30.6	35.5	- 6.1	5	0.31	8	- 8										
Down	Donaghadee	35	t	46	26th	28	25th	43.3	35.0	39.1	- 4.0	4	0.70	18	+ 1										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	45	26, 1	28	30th	41.7	34.1	37.9	- 5.9	6	0.72	18	+ 4										
King's County	Birr Castle	175	t	44	1st	22	25th	39.4	29.9	34.7	- 6.9	6	1.22	31	+ 14										
Kilkenny	Kilkenny	195	a	48	1st	17	25th	41.9	25.0	33.5	- 8.5	3	0.43	11	- 7										
Waterford	Waterford	137	a	50	1st	21	25th	43.3	28.9	36.1	- 7.3	5	0.56	14	- 8										
	Seskin, Carrick-on-Suir	542	p	46	1st	22	25th	40.1	31.0	35.5	—	4	0.65	16	—										
Limerick	Foynes	50	a	47	30, 1	21	25th	42.7	28.9	35.8	- 8.0	6	0.96	25	+ 1										
Kerry	Cahirciveen (Val.O.)	30	t	49	1st	26	25th	43.7	32.3	38.0	- 8.2	5	1.50	38	+ 5										
	Killarney	174	a	48	30, 1	23	25, 30	42.8	27.4	35.1	- 9.3	5	0.75	19	- 16										
Cork	Roche's Point	32	t	48	1st	29	25th	44.3	35.9	40.1	- 5.5	5	1.81	46	+ 20										
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	51	1st	35	25th	46.4	30.1	42.7	- 5.5	5	1.04	26	+ 3										
Guernsey	Grange	173	p	47	1st	33	1st	43.0	35.9	39.5	- 7.2	2	0.44	11	- 15										
Jersey	St. Aubins	25	t	—	—	—	—	—	—	—	—	—	—	—	—										

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 1st, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.					
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d	hr.	m.p.h.	m/s.	d	h	m.
Shetlands Lerwick ...	310	42	+	—	0	30, 1	9	54	52	33	20	180	35	16	30	22	45	20	30	22	35
Orkneys **Deerness (Cup Anr.)	188	16	-	—	0	—	0	34	111	23	0	190	22	10	30	23	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	—	0	33	102	33	0	110	23	10	28	17	33	15	—	—	—
Edinburgh Edinburgh ...	485	39	31	—	0	30	3	52	73	40	0	210	32	14	30	23	47	21	28	15	30
6a. SCOTLAND, W.																					
Kenfew Paisley ...	188	81	15	—	0	—	0	8	112	48	0	220	16	7	25	5	36	16	30	21	25
Dumfries Eskdalemuir ...	825	50	22	—	0	—	0	26	80	61	1	200	20	9	30	23	31	14	30	22	50
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	28	1	62	80	25	0	70	25	11	28	20	37	17	28	18	5
York, E.R. Spurn Head ...	67	41	+	—	0	28, 1	19	81	62	6	0	170	34	15	1	24	42	19	1	23	45
Lincoln Cranwell ...	280	43	31	—	0	—	0	31	(109)	(28)	0	180	21	9	1	18	25	11	1	17	45
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	+	—	0	28, 1	8	29	(82)	(49)	0	180	31	14	1	24	38	17	1	23	20
Essex Shoeburyness...	103	90	+	—	0	28, 1	7	36	63	37	25	180	28	13	1	23	38	17	28	5	20
5. ENGLAND, S.E.																					
Surrey Richmond ...	82	65	22	—	0	—	0	6	53	109	0	170	16	7	1	23	28	13	1	23	30
Kent Lympne ...	409	70	+	—	0	1	3	50	98	17	0	200	28	13	1	24	40	18	1	23	30
Surrey Crowdon ...	284	40	24	—	0	—	0	14	72	82	0	190	19	9	1	23	33	15	1	21	30
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	12	88	42	26	180	17	8	1	24	31	14	1	24	0
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	1	4	27	66	71	0	170	29	13	1	21	41	18	1	21	30
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	1	1	56	(110)	(1)	0	200	26	12	1	22	34	15	1	23	20
7a. ENGLAND, N.W.																					
Lancashire *Fleetwood (Cup Anr.)...	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	—	0	45	112	11	0	260	18	8	25	13	29	13	1	23	55
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	—	0	30, 1	4	93	68	3	0	200	26	12	1	17	43	19	1	1	15
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	1	14	21	105	28	0	—	35	16	1	17	44	20	1	17	10
Cornwall Pendennis ...	256	65	24	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	—	0	81	75	12	0	90	22	10	28	10	—	—	—	—	—
Ciarc Quilly ...	100	40	+	—	0	—	0	16	122	30	0	—	19	9	30	20	31	14	30	19	55
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	—	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cork Weaver Pt. ...	160	30	+	—	0	1	1	95	51	11	10	—	26	12	1	22	41	18	1	20	0
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	—	0	27, 1	10	94	42	22	0	240	28	13	1	24	38	17	1	4	20

‡ Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

§ Direction from the Robinson Anemometer at Falmouth Observatory

**For Dearness the week ends at midnight on Friday.

*Cup anemometer record at Fleetwood ceased at 9 h. on November 9th; a tube anemometer is now being erected.

‡Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-EIGHTH WEEK of 1923—November 25th to December 1st, 1923.																			
DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
	At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
	Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal									
0. SCOTLAND, NORTH ..	45	24	40.9	32.7	36.8	- 3.4	deg. F. 0	deg. F. - 11	deg. F. 36	deg. F. + 13	4	- 1	inches 0.51	mm. 13	mm. - 26	hr. 1.0	hr. +0.1	% 14	mb. 1008
Eastern.																			
1. SCOTLAND, EAST ..	44	12	38.6	29.1	33.8	- 5.8	0	- 11	57	+30	5	+ 1	0.43	11	- 6	1.2	0.0	16	1009
2. ENGLAND, N.E. ..	43	2	38.1	29.3	33.8	- 7.5	0	- 13	57	+38	4	0	0.69	17	+ 2	1.5	+0.1	19	1011
3. ENGLAND, EAST ..	45	12	38.2	28.0	33.1	- 8.3	0	- 15	62	+43	3	- 1	0.19	5	- 10	2.3	+0.8	28	1012
4. MIDLAND COUNTIES ..	47	13	37.5	25.6	31.6	- 9.3	0	- 14	73	+51	3	- 1	0.43	11	- 6	1.5	+0.2	19	1012
5. ENGLAND, S.E. ..	47	15	37.4	26.9	32.1	-10.8	0	- 20	69	+55	2	- 2	0.44	11	- 7	2.1	+0.5	25	1012
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	46	20	41.4	30.7	36.0	- 6.0	0	- 16	42	+26	5	0	0.85	21	- 9	—	—	—	1011
7. ENGLAND, N.W. (and North Wales) ..	51	19	40.2	30.9	35.5	- 7.0	0	- 17	45	+32	3	- 2	0.34	9	- 15	1.6	+0.3	20	1011
8. ENGLAND, S.W. (and South Wales) ..	51	18	40.4	30.4	35.4	- 8.5	0	- 24	46	+36	2	- 3	0.62	16	- 10	2.5	+0.8	30	1011
9. IRELAND, NORTH ..	49	22	42.1	32.1	37.1	- 5.5	0	- 18	35	+22	5	0	0.81	21	- 1	1.7	+0.4	22	1009
10. IRELAND, SOUTH ..	50	17	42.5	30.3	36.4	- 7.5	1	- 24	41	+29	5	0	0.99	25	+ 1	1.9	+0.3	24	1010
11. CHANNEL ISLANDS (and Scilly) ..	51	33	44.1	37.0	40.6	- 6.9	6	- 34	16	+15	3	- 2	0.64	16	- 9	2.6	+0.8	31	1011
MEAN: DISTRICTS 1-10	51	12	39.6	29.3	34.5	- 7.6	0	- 17	53	+36	4	- 1	0.58	15	- 6	1.8	+0.4	23	1011
THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, September 2nd to December 1st, 1923.																			
0. SCOTLAND, NORTH ..	70	22	49.7	40.3	44.9	- 1.5	394	-122	133	+26	74	+11	19.87	504	+135	2.7	+ 0.4	26	1000
Eastern.																			
1. SCOTLAND, EAST ..	73	12	50.2	39.0	44.4	- 1.9	411	-124	189	+50	66	+14	9.73	247	+30	3.4	+ 0.6	34	1002
2. ENGLAND, N.E. ..	74	20	52.8	40.9	46.7	- 1.7	576	- 84	151	+75	53	+ 5	7.09	180	+ 3	3.7	+ 0.6	35	1007
3. ENGLAND, EAST ..	76	12	54.8	41.9	48.1	- 1.3	699	- 55	141	+60	48	+ 1	7.47	191	+17	4.0	+ 0.6	38	1010
4. MIDLAND COUNTIES ..	77	13	53.6	40.3	46.8	- 1.5	609	- 70	178	+73	51	+ 4	8.15	297	+20	3.3	+ 0.3	32	1009
5. ENGLAND, S.E. ..	76	15	55.5	42.4	48.8	- 1.8	760	- 83	146	+87	52	+ 5	10.38	263	+44	4.4	+ 0.8	41	1011
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	71	19	51.5	40.9	46.1	- 1.8	503	-124	133	+52	71	+17	19.47	493	+152	—	—	—	1005
7. ENGLAND, N.W. (and North Wales) ..	76	19	52.5	42.9	47.6	- 1.5	621	- 83	112	+52	65	+12	13.74	349	+87	3.2	+ 0.3	31	1008
8. ENGLAND, S.W. (and South Wales) ..	75	18	54.2	43.2	48.6	- 1.9	708	-112	111	+66	58	+ 4	13.46	343	+50	3.8	+ 0.4	36	1011
9. IRELAND, NORTH ..	71	18	52.6	41.7	47.0	- 1.6	562	-104	109	+47	75	+16	13.83	351	+81	3.2	+ 0.4	30	1006
10. IRELAND, SOUTH ..	74	17	53.5	42.7	48.0	- 1.9	651	-125	108	+53	68	+14	12.06	306	- 32	3.6	+ 0.4	34	1009
11. CHANNEL ISLAND (and Scilly) ..	74	33	56.7	47.6	52.0	- 1.9	939	-150	26	+22	60	+ 3	14.83	377	+108	4.3	+ 0.2	41	1012
MEAN: DISTRICTS 1-10	77	12	53.1	41.6	47.2	- 1.7	610	- 96	138	+61	61	+ 9	11.54	293	+52	3.6	+ 0.5	35	1008
THE YEAR. Aggregates, &c., for the Period of 48 Weeks, December 31st, 1922, to December 1st, 1923.																			
0. SCOTLAND, NORTH ..	80	22	51.2	41.2	46.0	- 0.1	1803	-221	450	-173	238	+14	53.39	1355	+194	3.3	0.0	26	1007
Eastern.																			
1. SCOTLAND, EAST ..	82	12	52.0	40.2	45.9	- 0.6	1907	-324	608	-115	217	+27	31.40	802	+84	3.5	- 0.4	28	1008
2. ENGLAND, N.E. ..	91	20	54.2	42.3	48.1	- 0.1	2479	-120	445	- 81	180	+ 8	23.06	589	+10	4.1	- 0.1	32	1011
3. ENGLAND, EAST ..	94	12	56.5	43.5	49.8	+ 0.5	2985	+ 1	375	-173	163	- 4	21.28	539	- 14	4.5	- 0.1	36	1013
4. MIDLAND COUNTIES ..	95	13	55.9	42.3	48.9	+0.2	2763	-160	458	-141	180	+14	27.61	702	+86	3.7	- 0.4	29	1012
5. ENGLAND, S.E. ..	93	15	57.2	44.1	50.4	+0.1	3140	- 74	329	- 87	166	+ 3	26.91	684	+56	4.7	- 0.1	38	1013
Western.																			
6. SCOTLAND, WEST (and Isle of Man) ..	86	19	53.4	42.0	47.5	- 0.5	2260	234	412	- 59	226	+27	52.05	1317	+246	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..	89	19	54.1	43.9	48.8	- 0.1	2598	-137	297	-123	210	+27	36.44	926	+114	3.8	- 0.3	30	1011
8. ENGLAND, S.W. (and South Wales) ..	93	18	55.9	44.7	50.1	0.0	2950	-108	244	- 85	190	+ 7	37.51	953	+74	4.3	- 0.2	34	1013
9. IRELAND, NORTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	- 0.2	28	1010
10. IRELAND, SOUTH ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
11. CHANNEL ISLANDS (and Scilly) ..	90	32	57.4	48.1	52.6	0.0	3580	- 87	29	- 75	198	+ 8	34.73	882	+142	5.0	- 0.4	40	1015
MEAN: DISTRICTS 1-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
	°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.						hr.	hr.	%	mb.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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Forty-Sixth Year. } No. 49.
Vol. XL. (New Series) }

FORTY-NINTH WEEK.

SUNDAY, DECEMBER 2ND, TO SATURDAY, DECEMBER 8TH, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was again of a very unsettled character. Rain or snow fell in most places, and in some parts hail was reported, but the total amount of precipitation for the week was below the normal in all Districts, with the exception of the Channel Islands, where it was slightly in excess of the normal. "Snow lying" was registered in many parts of the country. Among the largest amounts of precipitation were 23mm. at Lerwick and 16mm. at Dungeness on the 2nd, 15mm. at Guernsey and 14mm. at Douglas (Isle of Man) on the 3rd, 25mm. at Cahirciveen (Valencia Observatory), 24mm. at Blacksod Point, 22mm. at Waterford and 16mm. at Seskin (Carrick-on-Suir) on the 6th, and 24mm. at Colmonell (Ayr), 23mm. at Ford (Argyll), 19mm. at Eskdalemuir, 18mm. at Stornoway and West Witton (N. Riding) and 15mm. at Falmouth on the 7th. There was a good deal of fog in various parts of the British Isles and in some places it was decidedly dense.

The highest temperatures of the week occurred either on the 7th or 8th in most places, and at a few stations maximum readings of about 50°F. were recorded. The lowest of the screen minima (15°F.) was registered at Balmoral on the morning of the 4th, while grass temperatures varying between 10° and 20°F. were recorded in several places. The mean temperature for the week was above the normal at one or two of our extreme northern stations, but in all other parts of the country it was below normal. Several sunshine records of between 6 and 7 hours were obtained on various days, and the total amount for the week at a large number of stations was in excess of the normal. The departure of the mean daily duration of sunshine from the normal for the week ranged from +1.6 hours at Falmouth to -1.1 hours in London (Greenwich). Solar halos were seen at Armagh and Dublin on the 6th and at Clacton and Oxford on the 8th. A parhelion was seen at Armagh on the 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	18	14	6.4	10	15	6.7	13	16	7.1	11	10	4.4	13	16	7.0	8	13	5.6	14	10	4.3	11	13	5.6
North	6	4	1.8	9	7	3.0	6	5	2.1	4	8	3.6	13	9	4.0	14	15	6.5	6	14	6.1	16	11	4.9
West	11	4	2.0	15	7	3.1	11	5	2.2	6	5	2.2	14	17	7.4	19	19	8.6	19	15	6.7	17	15	6.5
East	11	7	3.2	3	9	4.0	1	1	0.5	5	2	0.9	13	6	2.6	2	9	4.2	4	9	3.8	10	3	1.3
Calm (or wind- speed < 4 m.p.h.)	2	—	—	7	—	—	8	—	—	13	—	—	1	—	—	1	—	—	2	—	—	1	—	—
No record ...	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	3	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	
		Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	
Comparison with the normal for the time of year ..	Warmth ..	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate
	Rainfall ..	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy
	Sunshine ..	Abundant	Moderate	Abundant	Moderate	Abundant	Moderate	—	Abundant	Abundant	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 1 week from Dec. 2nd, 1923.		..											
			0.	1.	0.	0.	1.	0.	0.	1.	0.	0.	1.
			0.	0.	1.	0.	1.	0.	1.	0.	0.	1.	0.
	Warmth ..	0.	1	0.	0.	0.	1	0.	0.	1	0.	0.	1
	Rainfall ..	0.	0.	1	0.	1.	0.	0.	1.	0.	0.	1.	0.
	Sunshine ..	1.	0.	0.	0.	1.	0.	1.	0.	0.	1.	0.	0.

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE AND RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.			
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal		
0. SCOTLAND, N.																										
Shetlands	Lerwick	54	t	46	7, 8	35	6th	43.9	39.7	41.9	+2.0	5	1.74	44	+12	Lerwick	0.8	—	12	—	—	—	—	—	—	—
Orkneys	Deerness	160	p	45	7, 8	34	2, 6	43.4	35.9	39.8	0.0	6	0.63	16	-13	Deerness	0.8	0.0	12	—	—	—	—	—	—	—
Hebrides	Stornoway	51	t	47	7th	29	4th	42.4	35.1	38.9	-1.0	6	1.17	30	-13	Stornoway	1.0	+0.1	15	—	—	—	—	—	—	—
	Castlebay	37	t	48	7th	38	3rd	45.0	40.1	42.7	—	7	0.67	17	—	Castlebay	1.7	—	25	—	—	—	—	—	—	—
Caithness	Wick	81	t	44	4, 5, 8	32	6th	42.6	37.6	40.2	+1.3	5	0.71	18	-4											
Ross and Cromarty	Strathpeffer	125	a	46	7th	—	—	40.3	—	—	—	3	0.21	5	-18											
	Achnashellach	225	a	50	7th	27	3, 4, 6	40.7	32.7	36.9	—	6	0.72	18	—	Achnashellach	—	—	—	7	16	—	—	—	—	—
Inverness	Inverness	242	h	40	8th	29	4th	37.7	32.9	35.4	—	3	0.13	3	—	Inverness	1.4	—	20	4	24	—	—	—	—	—
	Fort Augustus	68	a	47	7th	25	6th	41.4	32.6	37.2	-1.2	4	0.24	6	-32											
	Onich	48	h	49	7th	28	6th	41.6	34.4	38.1	—	6	1.04	26	—	Onich	0.7	—	11	4	17	—	—	—	—	—
1. SCOTLAND, E.																										
Nairn	Nairn	82	t	43	7th	26	4th	38.9	32.7	35.9	-2.2	3	0.24	6	-12	Nairn	1.2	—	17	—	—	—	—	—	—	—
Elgin	Gordon Castle	101	p	44	8th	28	4th	40.0	31.7	36.0	-3.1	5	0.51	13	-8	Gordon Castle	1.0	—	14	—	—	—	—	—	—	—
Aberdeen	Aberdeen	46	t	44	2, 8	29	4th	41.6	35.3	38.6	—	5	0.96	24	-1	Aberdeen	1.0	-0.4	14	4	21	—	—	—	41.3	-2.0
	Balmoral	930	a	40	7th	15	4th	36.3	25.1	30.9	-4.4	6	0.86	22	-5	Balmoral	—	—	5	10	—	—	—	—	—	—
Perth	Crieff	478	p	44	8th	25	4th	40.1	29.4	35.0	-3.1	6	1.05	27	-8	(Kinc.) Crathes	1.4	0.0	21	—	—	35.7	—	—	—	—
Forfar	Dundee	147	a	43	7th	28	4th	40.6	32.7	36.8	—	5	1.02	26	—	Dundee	1.5	—	22	4	25	35.0	—	—	40.8	—
Pife	Inchkeith	190	t	44	8th	34	3, 4, 6	40.1	36.0	38.1	—	5	0.62	16	—	Inchkeith	1.1	—	15	—	—	—	—	—	—	—
Midlothian	Edinburgh	441	p	45	8th	32	4, 5, 8	40.9	32.7	37.0	-2.2	6	0.80	20	+3	Edinburgh	2.0	+0.3	28	3	26	—	—	—	—	—
Peebles	West Linton	770	a	44	7th	25	6th	39.4	30.4	35.1	0.0	6	1.02	26	—	West Linton	—	—	6	20	—	—	—	—	—	—
Berwick	Marchmont	498	a	42	7, 8	25	4th	39.6	30.7	35.3	-2.3	7	0.86	22	0	Marchmont	1.5	+0.2	21	—	—	—	—	—	—	—
6a. SCOTLAND, W.																										
Argyle	Ford	149	a	46	7th	25	6th	42.4	31.1	37.0	—	5	1.60	41	—	Ford	—	—	—	4	23	36.7	—	—	42.5	—
Renfrew	Renfrew	40	t	43	7, 8	25	4th	40.0	31.4	35.9	—	6	0.76	19	—	Renfrew	1.4	—	19	4	15	—	—	—	—	—
Bute	Rothsay	200	p	47	7th	32	6, 8	42.3	34.3	38.5	-2.5	6	1.34	34	-5	Rothsay	2.0	—	28	3	26	36.7	—	—	42.4	-2.5
Ayr	Kilmarnock	90	a	45	7th	25	6th	41.9	30.7	36.5	-2.8	4	0.72	18	-12	Kilmarnock	1.4	—	20	—	—	35.6	—	—	42.3	—
	Colmonell	170	a	48	8th	26	6th	43.9	32.1	38.2	-2.8	5	2.14	54	+15	Colmonell	—	—	—	6	20	—	—	—	—	—
Dumfries	Dumfries	140	p	46	8th	26	4th	41.3	29.1	35.4	-4.1	4	0.50	13	-15	Dumfries	1.6	—	22	5	20	36.5	-3.6	42.2	-1.8	
	Eskdalemuir	794	t	42	2nd	—	—	37.6	—	—	—	5	1.10	28	—	Eskdalemuir	2.3	—	32	5	18	—	—	—	—	—
6b. ISLE OF MAN.																										
I. of Man	Douglas	284	h	47	7th	33	4, 6	43.6	36.0	40.0	-2.6	6	0.96	24	-12	Douglas	2.8	+1.4	37	2	26	—	—	—	—	—
2. ENGLAND, N.E.																										
North-berland	Cockle Park	324	p	48	4th	26	5th	42.3	29.4	36.1	-2.3	5	0.54	14	-6	Cockle Park	1.9	+0.3	26	6	23	35.2	-3.2	39.9	-2.6	
	Tynemouth	118	t	45	8th	30	5th	40.3	34.7	37.6	-2.7	4	0.22	6	-10	Tynemouth	—	—	2	29	—	—	—	—	—	—
Durham	Durham	336	p	47	2nd	22	5th	32.1	28.3	33.9	-5.0	3	0.45	11	-4	Durham	1.7	+0.3	23	5	19	—	—	—	—	—
York	Rounton	249	p	44	8th	27	4th	38.9	30.4	34.8	-4.0	5	0.50	13	-3	Rounton	—	—	5	27	36.1	—	—	—	—	—
N. Riding	West Witton	605	a	44	7th	26	7th	39.6	31.3	35.6	—	4	0.85	22	—	West Witton	—	—	5	10	34.3	—	—	40.9	—	
	Scarborough	118	h	46	8th	31	4th	41.6	35.3	38.6	-2.2	3	0.39	10	-8	Scarborough	1.8	+0.6	24	3	26	—	—	41.1	—	
	York	56	p	46	8th	28	4th	40.3	32.0	36.3	-3.5	5	0.45	11	-5	York	1.8	+0.9	24	—	—	37.8	-4.0	43.2	-2.6	
E. Riding	Spurn Head	26	t	45	8th	33	4, 7	40.7	35.4	38.2	-2.9	5	0.38	10	-5	Spurn Head	1.6	—	21	—	—	—	—	—	—	—
Lincoln	Lincoln	58	a	46	7th	28	5, 7	41.0	31.3	36.3	-3.1	3	0.34	9	-7	Lincoln	—	—	4	27	35.0	-5.2	42.2	-3.3		
	Cranwell	237	t	47	2nd	24	5th	39.3	31.4	35.5	-4.0	4	0.30	8	-9	Cranwell	1.8	+0.4	23	5	18	—	—	—	—	—
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.0	+0.2	25	—	—	—	—	—	—	—
3. ENGLAND, E.																										
Norfolk	Cromer	196	a	47	5, 8	30	4th	43.3	34.2	38.9	-2.1	5	0.33	8	-6	Cromer	2.1	+0.6	26	—	—	—	—	—	—	—
	Yarmouth	13	t	47	8th	27	7th	41.4	33.1	37.4	-3.4	4	0.49	12	-5	Yarmouth	1.3	—	17	4	23	37.6	-4.8	42.7	-4.2	
	Norwich	93	a	46	7, 8	34	7th	40.6	29.1	35.1	-5.0	4	0.51	13	-5	Norwich	1.0	—	13	5	22	33.8	—	—	—	—
	Geldeston	37	a	48	8th	24	7th	42.2	28.9	35.8	-5.0	5	0.41	10	-6	Geldeston	0.8	-0.7	11	—	—	—	—	—	—	—
Cambridge	Cambridge	41	p	47	8th	26	3, 4, 7	41.4	27.6	34.8	-5.3	3	0.16	4	-10	Cambridge	1.2	-0.1	16	5	22	36.0	-5.9	43.4	-3.3	
Hertford	Rothamsted	420	a	47	7th	25	7th	41.9	29.3	35.9	-4.1	6	0.57	14	-5	Rothamsted	1.5	0.0	19	4	19	35.7	—	—	—	—
Middlesex	Tottenham	51	p	49	8th	29	2, 7	44.0	32.9	38.7	—	3	0.29	7	—	Tottenham	0.8	—	10	—	—	—	—	—	—	—
Essex	Clacton-on-Sea	54	t	46	8th	27	7th	42.0	33.6	38.0	-2.9	3	0.54	14	+1	Clacton-on-Sea	0.9	-0.7	11	4	25	37.5	-6.1	43.6	-4.4	
	Southend	90	h	45	2, 8	31	3, 4	43.1	33.0	38.3	—	4	0.13	3	—	Southend	1.3	—	17	3	29	38.4	—	—	—	—
4. MIDLAND COUNTIES.																										
York	Harrogate	479	h	44	7th	29	4, 5, 7	39.6	31.1	35.5	-3.4	5	0.59	15	-5	Harrogate	2.2	+0.9	29	5	18	37.7	-3.2	41.1	-2.3	
W. Riding	Sheffield	429	p	42	2, 8	26	7th	38.4	31.9	35.3	-2.2	5	0.71	18	-18	Sheffield	—	—	—	—	—	—	—	—	—	—
Derby	Buxton	987	p	42	2, 8	26	7th	38.4	31.9	35.3	-2.2	5	0.71	18	-18	Buxton	1.3	—	17	5	20	33.8	-5.0	41.1	-3.3	
Nottingham	Worksop	56	a	48	2nd	25	7th	42.4	31.0	36.9																

[illegible]

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, December 8th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.
Shetlands Lerwick ...	310	42	+	2, 7	25	2, 3, 6 to 8	37	±6	38	12	30	180	49	22	7	17	63	28	7	17	50
Orkneys **Deerness (Cup Anr.)	1+8	16	5	7	5	7	19	49	81	14	0	160	40	18	7	8	—	—	—	—	—
1. SCOTLAND, E.																					
Aberdeen Aberdeen ...	72	42	+	—	0	4, 7, 8	17	57	89	5	0	110	31	14	4	19	47	21	8	10	45
Edinburgh Edinburgh ...	485	39	31	—	0	7	13	39	86	30	0	190	37	17	7	9	55	25	7	9	15
6a. SCOTLAND, W.																					
Renfrew Paisley ...	188	81	15	—	0	7	1	34	94	39	0	170	26	12	7	12	52	23	7	11	55
Dumfriess Eskdalemuir ...	826	50	22	—	0	8	3	58	45	62	0	270	28	13	8	10	56	25	8	9	40
2. ENGLAND, N.E.																					
Durham South Shields...	72	61	12	—	0	2, 4, 7, 8	12	44	87	25	0	270	30	13	8	10	47	21	8	9	40
York, E.R. Spurn Head ...	67	41	+	—	0	2, 4, 7, 8	29	49	81	9	0	170	37	17	2	4	47	21	2	4	5
Lincoln Cranwell ...	280	43	31	—	0	2, 8	5	45	(94)	(24)	0	160	26	12	2	3	30	13	2	3	30
3. ENGLAND, E.																					
Norfolk Gorleston ...	52	42	+	—	0	2, 4, 7, 8	31	15	75	47	0	170	38	17	2	7	48	21	2	7	20
Essex Shoeburyness...	103	90	+	—	0	2, 4, 7, 8	25	31	84	28	0	180	38	17	7	21	45	20	7	21	5
5. ENGLAND, S.E.																					
Surrey Richmond ...	82	65	22	—	0	—	0	24	61	83	0	170	18	8	2	5	31	14	7	21	0
Kent Lymington ...	409	70	+	—	0	2, 4, 7, 8	25	51	88	9	0	190	30	13	7	22	47	21	7	22	35
Surrey Croydon ...	284	40	24	—	0	—	0	30	115	23	0	170	24	11	4	11	41	18	4	10	30
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	32	63	20	23	180	19	9	7	21	32	14	4	9	5
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	2, 4, 7, 8	19	60	79	10	0	150	31	14	4	10	47	21	2	4	0
Wiltshire Larkhill, Sly Plain ...	513	63	43	—	0	2, 4, 7	16	69	(78)	(0)	5	200	29	13	7	18	37	17	7	18	20
7a. ENGLAND, N.W.																					
Lancashire Fleetwood (Cup Anr.)...	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lancashire Southport ...	80	62	48	—	0	2, 8	8	63	85	12	0	260	34	15	8	6	45	20	8	5	50
7b. NORTH WALES.																					
Anglesey Holyhead ...	64	45	+	—	0	2, 4, 7, 8	30	107	28	3	0	250	34	15	8	4	53	24	7	11	15
8b. ENGLAND, S.W.																					
Devon Plymouth ...	185	88	2	—	0	2, 4, 7	20	39	91	18	0	—	36	16	7	12	46	21	7	12	0
Cornwall Pendennis Castle...	256	66	24	—	0	2, 4, 5, 7, 8	22	51	50	18	27	270	38	17	7	13	48	21	7	13	50
10. IRELAND, S.																					
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	2, 4, 7, 8	18	114	31	5	0	260	37	17	8	1	—	—	—	—	—
Clare Quilty ...	100	40	+	—	0	2, 7, 8	10	121	28	9	0	—	34	15	7	22	47	21	4	6	15
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	3 to 7	14	113	34	7	0	180	28	13	7	9	53	24	4	9	35
Cork Weaver Pt. ...	160	30	+	—	0	5 to 7	13	78	71	6	0	—	30	13	7	6	43	19	5	7	45
11a. SCILLY ISLES.																					
Scilly St. Mary's	150	32	+	—	0	2 to 5, 7, 8	87	46	10	4	21	—	38	17	4	15	53	24	4	14	55

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

§Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

*Cup anemometer record at Fleetwood ceased at 9 h. on November 9th; a tube anemometer is now being erected.

*Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-NINTH WEEK of 1923—December 2nd to December 8th, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal	Below 42°	Deviation from Normal											
0. SCOTLAND, NORTH ..		°F.	°F.	°F.	°F.	°F.	°F.	day- deg. F.	day- deg. F.	day- deg. F.	day- deg. F.	5	- 1	inches.	mm.	mm.	hr.	hr	%	mb.
Eastern.		50	25	42.1	35.4	38.9	+0.1	0	- 8	22	- 5			0.83	21	- 21	1.1	+ 0.3	16	996
1. SCOTLAND, EAST ..		44	15	39.5	31.4	35.6	- 2.5	0	- 7	45	+13	5	0	0.76	19	- 5	1.4	+ 0.1	20	996
2. ENGLAND, N.E. ..		48	22	40.4	32.0	36.4	- 3.7	0	- 9	39	+16	4	0	0.40	10	- 7	1.8	+ 0.5	24	999
3. ENGLAND, EAST ..		49	24	42.1	31.1	36.8	- 3.5	0	- 13	37	+13	4	- 1	0.41	10	- 6	1.2	- 0.2	16	1002
4. MIDLAND COUNTIES		49	24	42.6	31.2	37.1	- 2.9	2	- 10	36	+10	4	- 1	0.41	10	- 8	1.7	+ 0.4	22	1000
5. ENGLAND, S.E. ..		50	24	45.2	34.0	39.8	- 2.5	9	- 10	24	+ 7	5	0	0.79	20	- 4	1.6	+ 0.2	20	1002
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		48	25	42.2	32.1	37.4	- 3.5	1	- 12	33	+17	5	0	1.15	29	- 11	—	—	—	997
7. ENGLAND, N.W. (and North Wales)		50	28	43.3	35.8	39.7	- 1.9	4	- 10	20	+ 3	5	0	0.63	16	- 10	1.7	+ 0.6	23	998
8. ENGLAND, S.W. (and South Wales)		52	27	45.7	36.4	41.2	- 2.4	10	- 13	16	+ 4	6	+ 1	1.18	30	- 6	2.3	+ 0.7	29	1000
9. IRELAND, NORTH ..		50	26	44.1	34.9	39.7	- 1.8	6	- 8	22	+ 4	6	0	0.99	25	- 2	2.3	+ 0.9	31	997
10. IRELAND, SOUTH ..		52	26	45.0	36.3	40.9	- 2.5	8	- 15	16	+ 3	5	0	1.10	28	- 1	1.9	+ 0.3	24	1000
11. CHANNEL ISLANDS (and Scilly)		53	35	49.5	41.4	45.6	- 1.5	27	- 11	2	- 1	6	0	1.46	37	+ 4	1.9	0.0	23	1002
MEAN: DISTRICTS 1-10		52	15	43.0	33.5	38.5	- 2.7	4	- 11	29	+ 9	5	0	0.78	20	- 6	1.8	+ 0.4	23	999
THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, December 2nd to December 8th, 1923.																				
0. SCOTLAND, NORTH ..		50	25	42.1	35.4	38.9	+0.1	0	- 8	22	- 5	5	- 1	0.83	21	- 21	1.1	+ 0.3	16	996
Eastern.																				
1. SCOTLAND, EAST ..		44	15	39.5	31.4	35.6	- 2.5	0	- 7	45	+13	5	0	0.76	19	- 5	1.4	+ 0.1	20	996
2. ENGLAND, N.E. ..		48	22	40.4	32.0	36.4	- 3.7	0	- 9	39	+16	4	0	0.40	10	- 7	1.8	+ 0.5	24	999
3. ENGLAND, EAST ..		49	24	42.1	31.1	36.8	- 3.5	0	- 13	37	+13	4	- 1	0.41	10	- 6	1.2	- 0.2	16	1002
4. MIDLAND COUNTIES		49	24	42.6	31.2	37.1	- 2.9	2	- 10	36	+10	4	- 1	0.41	10	- 8	1.7	+ 0.4	22	1000
5. ENGLAND, S.E. ..		50	24	45.2	34.0	39.8	- 2.5	9	- 10	24	+ 7	5	0	0.79	20	- 4	1.6	+ 0.2	20	1002
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		48	25	42.2	32.1	37.4	- 3.5	1	- 12	33	+17	5	0	1.15	29	- 11	—	—	—	997
7. ENGLAND, N.W. (and North Wales)		50	28	43.3	35.8	39.7	- 1.9	4	- 10	20	+ 3	5	0	0.63	16	- 10	1.7	+ 0.6	23	998
8. ENGLAND, S.W. (and South Wales)		52	27	45.7	36.4	41.2	- 2.4	10	- 13	16	+ 4	6	+ 1	1.18	30	- 6	2.3	+ 0.7	29	1000
9. IRELAND, NORTH ..		50	26	44.1	34.9	39.7	- 1.8	6	- 8	22	+ 4	6	0	0.99	25	- 2	2.3	+ 0.9	31	997
10. IRELAND, SOUTH ..		52	26	45.0	36.3	40.9	- 2.5	8	- 15	16	+ 3	5	0	1.10	28	- 1	1.9	+ 0.3	24	1000
11. CHANNEL ISLANDS (and Scilly)		53	35	49.5	41.4	45.6	- 1.5	27	- 11	2	- 1	6	0	1.46	37	+ 4	1.9	0.0	23	1002
MEAN: DISTRICTS 1-10		52	15	43.0	33.5	38.5	- 2.7	4	- 11	29	+ 9	5	0	0.78	20	- 6	1.8	+ 0.4	23	999
THE YEAR. Aggregates, &c., for the Period of 49 Weeks, December 31st, 1922, to December 8th, 1923.																				
0. SCOTLAND, NORTH ..		80	22	51.1	41.1	45.9	- 0.1	1803	-229	472	-178	243	+13	54.22	1376	+173	3.2	0.0	26	1007
Eastern.																				
1. SCOTLAND, EAST ..		82	12	51.7	40.0	45.7	- 0.6	1907	-331	653	-102	222	+27	32.16	821	+79	3.5	- 0.3	28	1008
2. ENGLAND, N.E. ..		91	20	54.0	42.1	47.8	- 0.2	2479	-129	484	- 65	184	+ 8	23.46	599	+ 3	4.0	- 0.1	32	1011
3. ENGLAND, EAST ..		94	12	56.3	43.2	49.5	+0.4	2985	- 12	412	-160	167	- 5	21.69	549	- 20	4.5	0.0	36	1013
4. MIDLAND COUNTIES		95	16	55.6	42.1	48.6	0.0	2765	-110	492	-133	184	+13	28.02	712	+78	3.7	- 0.3	29	1012
5. ENGLAND, S.E. ..		93	15	56.9	43.9	50.2	0.0	3149	- 84	353	- 80	171	+ 3	27.70	704	+52	4.7	0.0	38	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	19	53.2	41.8	47.3	- 0.5	2261	-246	445	- 42	231	+27	53.20	1346	+235	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		89	19	53.9	43.8	48.7	- 0.1	2602	-147	317	-120	215	+27	37.07	942	+104	3.7	- 0.4	30	1011
8. ENGLAND, S.W. (and South Wales)		93	15	55.7	44.5	49.9	- 0.1	2960	-121	260	- 81	196	+ 8	38.69	983	+68	4.2	- 0.3	34	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	- 0.2	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
11. CHANNEL ISLANDS (and Scilly)		90	32	57.2	47.9	52.4	- 0.1	3607	- 98	31	- 76	204	+ 8	36.19	919	+146	4.9	- 0.5	39	1014
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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Forty-Sixth Year. } No. 50.
Vol. XL. (New Series) }

FIFTIETH WEEK.

SUNDAY, DECEMBER 9TH, TO SATURDAY, DECEMBER 15TH, 1923.

Price 3d. Net Post free 9d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

During the greater part of the week barometric pressure was high to the south-westward of the British Isles and the weather was fairly dry. Over the northern parts of the country the weather was affected by depressions situated over Iceland and several rather heavy falls of rain were recorded. Amongst the largest amounts were 31mm. at Ford (Argyll) and 16mm. at Rothesay (Bute) on the 9th, 17mm. at Blacksod Point on the 11th and at Markree Castle (Sligo) and Cahirciveen (Valencia Observatory) on the 12th, and also at Lerwick on the 15th, while the measurements on the 9th, 12th and 14th at Onich (Inverness) were 23mm., 20mm. and 19mm. and at Achnashellach (Ross-shire) 20mm., 17mm. and 21mm. respectively. The total amount of precipitation for the week was above the normal in parts of Scotland, but in nearly all other parts of the country it was below normal. "Snow lying" was recorded at some of the northern stations. On the first day of the week, in several parts of our Islands, temperature did not rise above 40°F. and in a few places maximum readings of about 35°F. were registered, but after the 9th there was a decided rise in the day temperatures and in some places, on various days, maximum readings of between 50°F. and 55°F. were obtained. The lowest of the screen minima

occurred either on the 9th or 10th over the country generally and readings below 25°F. were recorded at a number of stations, the lowest being 20°F. at Eskdalemuir on the 9th. Ground frosts occurred in all parts of the country and at a few places grass temperatures as low as 12°F. were registered. The mean temperature for the week was 3°F. or 4°F. above the normal in parts of Scotland and Ireland, but in most of the English Districts it did not differ much from the normal. Mist or fog occurred in several places. Several sunshine records of between 6 and 7 hours were registered at the beginning of the week: amongst the largest amounts being 7·3 hrs. at Malvern and 7·2 hrs. at Ross-on-Wye on the 9th. The total amount for the week was in excess of the normal at most stations. The departure of the mean daily duration of sunshine from the normal for the week ranged from +1·5 hrs. at Pembroke (St. Ann's Head) to -0·7 hr. at Nottingham. Solar halos were seen at Ross-on-Wye on the 14th, at Aberdeen, South Farnborough and Lerwick on the 15th and at Oxford on the 10th, 14th and 15th. Lunar halos were observed at Aberdeen and Dublin on the 15th and at Oxford and at Guernsey on the 14th and 15th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Scilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahirciveen.		
				Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.		Fre- quency.	Mean Value.	
					m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s		m.p.h	m/s
South	...	...	21	14	6·1	16	10	4·6	16	6	2·5	11	3	1·4	18	12	5·4	5	11	5·0	18	11	4·7	17	13	5·6	
North	...	...	5	11	4·7	5	4	1·7	9	4	1·9	8	5	2·1	9	7	3·2	14	11	5·1	2	7	3·1	6	9	3·9	
West	...	...	21	10	4·6	28	13	5·9	21	5	2·1	20	4	1·7	25	10	4·6	13	8	3·4	24	11	5·1	15	7	3·3	
East	...	...	2	5	2·3	0	—	—	1	1	0·4	0	—	—	0	—	—	2	3	1·5	3	4	2·0	7	2	0·8	
Calm (or wind- speed < 4 m.p.h.)			0	—	—	0	—	—	2	—	—	8	—	—	0	—	—	1	—	—	1	—	—	4	—	—	
No record	...		0	—	—	0	—	—	0	—	—	0	—	—	0	—	—	7	—	—	0	—	—	0	—	—	

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]															
An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>			DISTRICTS OF THE BRITISH ISLES.												
			Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
			0. Scotland. N.	1. Scotland. E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England, N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	11. Channel Islands (and Scilly).	
Comparison with the normal for the time of year ..			Warmth ..	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate
			Rainfall ..	Heavy	Light	Light	Light	Light	Light	Moderate	Light	Light	Moderate	Light	Light
			Sunshine ..	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	—	Abundant	Abundant	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 2 weeks from Dec. 2nd, 1923.	Warmth	..	1, 1, 0	1, 0, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 2, 0
	Rainfall	..	1, 0, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 2, 0	0, 1, 1	0, 1, 1	0, 2, 0	0, 1, 1	1, 0, 1
	Sunshine	..	1, 1, 0	1, 1, 0	2, 0, 0	0, 2, 0	1, 1, 0	0, 2, 0	—	2, 0, 0	2, 0, 0	1, 1, 0	0, 2, 0	0, 2, 0

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day			Ground Temperature.							
				Highest	Date	Lowest	Date	Mean for the Week				Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean	Ground Frosts									Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.		Ft.		°F		°F		°F		°F			in.	mm.		hr.		%		°F.	°F.	°F.	°F.	°F.	
Shetlands	Lerwick	54	t	50	11, 14	34	9th	45.9	41.1	43.6	+3.3	7	1.35	34	+4	Lerwick	0.8	—	14	—	—	—	—	—	
Orkneys	Deerness	160	p	51	14th	27	9th	47.3	40.6	44.1	+3.8	7	2.01	51	+12	Deerness	—	—	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	51	14th	27	9th	47.3	40.6	44.1	+3.8	7	2.01	51	+12	Stornoway	0.5	-0.1	7	—	—	—	—	—	
	Castlebay	37	t	50	14th	27	9th	44.4	38.4	41.5	+2.2	5	0.78	20	+1	Castlebay	—	—	—	—	—	—	—	—	
Caithness	Wick	81	t	52	13, 14	23	9, 10	49.3	33.0	41.5	+3.4	5	0.54	14	-8		—	—	—	—	—	—	—	—	
Ross and Cromarty	Strathpeffer	125	a	50	10, 11	28	9th	46.0	39.0	42.6	—	7	3.64	92	—	Achnashellach	—	—	—	—	—	—	—	—	
	Achnashellach	225	a	51	11th	30	9th	45.9	38.4	42.3	—	3	0.39	10	—	Inverness	1.0	—	16	2	26	—	—	—	
Inverness	Inverness	242	a	51	11, 15	23	9th	49.3	35.1	42.5	+3.8	7	1.51	38	+2		—	—	—	—	—	—	—	—	
	Fort Augustus	68	a	55	10th	28	9th	47.4	39.1	43.4	—	7	4.04	103	—	Onich	0.4	—	6	3	17	—	—	—	
	Onich	48	a																						
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	52	12th	30	9th	46.3	38.7	42.7	+4.7	4	0.37	9	-3	Nairn	1.6	—	25	—	—	—	—	—	
Elgin	Gordon Castle	101	p	52	10th	29	9th	47.0	38.0	42.7	+3.7	4	0.43	11	-4	Gordon Castle	1.3	—	21	—	—	—	—	—	
Aberdeen	Aberdeen	46	t	48	11, 12	30	9th	43.9	37.9	41.0	—	5	0.75	19	+1	Aberdeen	1.8	+0.7	27	2	25	—	—	40.7	
	Balmoral	930	a	49	15th	23	9th	46.1	32.3	39.5	+4.3	6	0.32	8	-10	Balmoral	—	—	5	16	—	—	—	-1.9	
Perth	Crieff	478	p	50	14th	25	9th	45.6	34.4	40.2	+2.2	7	0.48	12	-12	(Kincaid) Crathes	1.8	+0.8	27	—	—	37.4	—	39.7	
Forfar	Dundee	147	a													Dundee	—	—	—	—	—	—	—	—	
Fife	Inchkeith	190	t	49	11, 12	32	9th	45.3	40.1	42.8	—	2	0.05	1	—	Inchkeith	1.2	—	17	—	—	—	—	—	
Midlothian	Edinburgh	441	p	50	11th	29	9th	46.7	38.9	43.0	+3.8	3	0.18	5	-7	Edinburgh	1.4	+0.2	20	1	25	—	—	—	
Peebles	West Linton	770	a	48	12th	30	10, 14	44.9	33.6	39.5	+4.4	7	0.31	8	—	West Linton	—	—	6	15	—	—	—	—	
Berwick	Marchmont	498	a	48	11th	27	9th	45.1	34.9	40.2	+2.7	3	0.14	4	-11	Marchmont	1.4	+0.4	20	—	—	—	—	—	
2a. SCOTLAND, W.																									
Argyle	Ford	149	a	55	10th	28	9th	50.0	35.7	43.1	—	7	3.39	86	—	Ford	—	—	3	22	40.0	—	—	41.7	
Renfrew	Renfrew	49	t	50	11, 12	25	9th	46.9	38.0	42.6	—	5	0.54	14	—	Renfrew	1.0	—	15	3	15	—	—	—	
Bute	Rothsay	200	p	49	10, 11, 12	32	9th	46.7	39.6	43.3	+2.6	7	1.41	36	+5	Rothsay	1.2	—	17	1	24	40.4	—	42.4	
Ayr	Kilmarnock	90	a	49	10, 11, 12	26	9th	48.1	35.6	42.1	+3.0	5	1.53	39	+15	Kilmarnock	0.9	—	13	—	39.3	—	—	42.6	
	Colmonell	170	a	50	10th	29	9th	48.7	39.1	44.1	+3.4	5	1.09	28	-3	Colmonell	—	—	1	25	—	—	—	—	
Dumfries	Dumfries	140	p	49	10, 11	26	9th	45.9	36.7	41.5	+2.4	5	0.33	8	-15	Dumfries	1.7	—	23	4	17	39.7	+0.1	42.0	
	Eskdalemuir	794	t	45	10, 12, 14	20	9th	42.3	34.1	38.4	—	6	1.77	45	—	Eskdalemuir	1.8	—	26	3	17	—	—	-1.4	
2b. ISLE OF MAN.																									
I. of Man	Douglas	284	a	49	11th	33	9th	46.9	40.3	43.7	+1.4	6	0.50	13	-15	Douglas	1.8	+0.5	24	1	27	—	—	—	
3. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	48	11, 12	27	9th	44.4	34.4	39.6	+1.4	3	0.13	3	-13	Cockle Park	2.0	+0.5	28	4	20	38.3	+0.3	39.8	
	Tynemouth	118	t	48	10th	29	9th	44.9	37.6	41.4	+1.3	4	0.31	8	-7	Tynemouth	—	—	2	27	—	—	—	-2.2	
Durham	Durham	336	p	47	14th	24	9th	44.0	34.7	39.5	+0.9	4	0.20	5	-4	Durham	2.1	+0.8	30	3	17	—	—	—	
York	Rounton	249	p	46	12, 14	22	9th	43.6	33.6	38.8	+0.3	4	0.22	5	-8	Rounton	—	—	4	12	37.0	—	—	—	
N. Riding	West Witton	605	a	47	10, 11, 12	25	9th	45.9	35.6	41.0	—	3	0.06	2	—	West Witton	—	—	4	19	36.2	—	—	40.1	
	Scarborough	118	a	47	11, 12, 14	28	9th	44.9	35.0	40.2	+0.7	4	0.17	4	-9	Scarborough	1.3	+0.5	18	—	—	38.7	-2.4	42.4	
	York	56	p													York	—	—	—	—	—	—	—	-2.7	
E. Riding	Spurn Head	26	t	45	11th	33	10th	42.6	37.3	40.1	-0.6	2	0.09	2	-10	Spurn Head	1.7	—	23	—	—	—	—	—	
Lincoln	Lincoln	58	a	48	11, 12	26	9th	45.3	34.3	40.0	+1.0	1	0.04	1	-12	Lincoln	—	—	4	25	36.9	-2.9	41.1		
	Cranwell	237	t	48	11th	29	9th	43.4	35.4	39.6	+0.4	1	0.05	1	-12	Cranwell	1.2	-0.1	16	4	24	—	—	-3.8	
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	49	13th	31	10th	44.1	37.4	40.9	+0.4	4	0.08	2	-11	Cromer	2.1	+0.7	28	—	—	—	—	—	
	Yarmouth	13	t	48	13th	29	10th	43.3	36.4	40.0	-0.3	4	0.14	3	-13	Yarmouth	1.4	—	19	1	24	39.7	-2.2	42.3	
	Norwich	93	a	47	13th	27	10th	43.1	34.4	38.9	-0.8	5	0.15	4	-13	Norwich	1.4	—	18	3	21	34.0	—	—	
	Geldeston	37	a	48	13th	26	10th	44.5	34.1	39.5	-0.9	4	0.14	3	-12	Geldeston	1.3	-0.2	17	—	—	—	—	—	
Cambridge	Cambridge	41	p	48	13th	22	10th	44.1	33.6	39.1	-0.7	1	0.02	0.4	-13	Cambridge	1.4	+0.1	17	4	17	38.0	-3.4	42.5	
Hertford	Rothamsted	420	a	47	13th	24	10th	43.3	32.1	37.9	-1.8	1	0.02	1	-17	Rothamsted	1.3	-0.1	17	4	19	38.0	—	-3.6	
Middlesex	Tottenham	51	p	49	12th	30	10th	46.1	38.3	42.4	—	1	0.03	1	—	Tottenham	0.6	—	7	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	45	13th	29	10th	42.6	37.1	40.0	-0.5	4	0.09	2	-10	Clacton-on-Sea	1.4	-0.1	18	1	23	40.0	-2.9	43.2	
	Southend	90	a	47	11th	29	10th	44.1	35.9	40.1	—	2	0.08	2	—	Southend	1.0	—	13	2	26	40.0	—	-4.2	
4. MIDLAND COUNTIES.																									
York	Harrogate	479	a	47	12th	27	9th	44.3	36.0	40.3	+1.7	4	0.33	9	-11	Harrogate	1.8	+0.5	24	4	18	39.1	-1.2	40.8	
W. Riding	Sheffield	429	p	47	10, 11, 12	22	9th	42.4	33.3	38.0	+0.8	5	0.31	8	-29	Sheffield	—	—	9	3	22	35.0	-3.3	40.1	
Derby	Buxton	987	p	44	10, 11, 12	22	9th	42.4	33.3	38.0	+0.8	5	0.31	8	-29	Buxton	0.6	—	9	3	22	35.0	-3.3	40.1	
Nottingham	Workshop HodsckP	56	a	48	11th	24	9th	45.4	34.3	40.1	+0.7	2	0.05	1	-15	Workshop	0.9	0.0	12	5	16	37.0	—	40.8	
	Nottingham	82	t	49	13th	28	10th	44.3	36.3	40.5	+0.8	2	0.04	1	-14	Nottingham	0.2	-0.7	3	4	24	36.9	-2.6	39.7	
Warwick	Birmingham (Edg.)	525	t	46	12th	31	10th	43.1	36.7	40.0	+0.4	2	0.02	1	-17	Birmingham	0.4	-0.6							

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean										Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
8a. SOUTH WALES.		Ft.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.	"F.		
Cardigan	Aberystwyth ...	16	h	49	12th	34	14th	47.3	40.3	43.9	—	3	0.10	3	—	Aberystwyth	2.2	+1.0	29	—	—	—	—	—	—	
Pembroke	St. Ann's Hd. ...	149	t	50	11th	39	9th	47.6	43.0	45.4	+0.2	4	0.21	5	- 23	St. Ann's Hd.	2.8	+1.5	36	—	—	—	—	—	—	
Radnor	Rhayader ...	757	a	46	10, 11	29	9th	45.1	37.6	41.5	—	4	0.18	5	—	Rhayader ..	1.5	—	19	3	15	—	—	—	—	
Glamorgan	Cardiff ...	202	p	48	10, 12	31	14th	46.7	36.9	42.0	+0.6	4	0.18	5	- 26	Cardiff ..	2.1	—	27	4	24	39.2	- 2.8	43.4	- 3.2	
8b. ENGLAND, S.W.																										
Somerset	Bath ...	66	h	50	11th	26	10th	45.3	36.0	41.4	0.0	3	0.05	1	- 20	Bath ..	1.8	+0.4	23	—	—	40.0	—	43.7	—	
Dorset	Shaftesbury ...	722	a	46	11, 13	30	9th	43.6	35.6	39.8	- 0.3	6	0.19	5	- 17	Shaftesbury ..	—	—	—	—	—	—	—	44.0	—	
Devon	Portland Bill ...	19	t	50	11th	37	9, 10	47.7	42.0	45.0	- 0.2	1	0.02	0.4	- 19	Weymouth ..	2.3	—	28	—	—	—	—	—	—	
	Arlington ...	613	a	47	10th	29	14th	44.0	36.5	40.4	- 1.1	6	0.63	16	- 25											
	Cullompton ...	202	a	51	11th	27	10, 14	47.4	33.1	40.5	- 1.3	3	0.08	2	- 25	Cullompton ..	1.3	+0.1	17	5	18	41.4	—	—	—	
	Plymouth ...	116	p	51	11th	30	14th	48.0	38.3	43.3	- 1.3	4	0.14	4	- 26	Plymouth ..	2.3	+0.8	29	2	27	41.9	- 2.7	46.0	—	
Cornwall	Newquay ...	190	h	50	10, 11	32	14th	47.5	40.3	44.0	- 1.9	5	0.35	9	- 18	Newquay ..	2.1	+0.5	26	—	—	43.9	—	46.9	—	
	Falmouth ...	167	h	52	11th	35	14th	49.1	40.4	44.9	- 0.7	5	0.25	6	- 32	Falmouth ..	2.5	+0.7	30	3	27	42.5	—	45.7	—	
9. IRELAND, N.																										
Donegal	Malin Head ...	71	t	50	12th	33	9th	47.6	41.6	44.7	+2.3	5	1.04	26	+ 7	Malin Head ..	1.0	—	14	—	—	—	—	—	—	
Mayo	Blackod Point ...	10	t	50	10, 12, 14	31	9th	48.7	40.3	44.7	+0.8	7	1.13	29	- 5											
Sligo	Mallarany ...	120	a	51	11th	33	9th	49.4	40.3	45.0	—	5	1.31	33	—	Mallarany ..	1.1	—	15	—	—	—	—	—	—	
	Markree Castle ...	122	p	51	10, 11	32	9th	48.6	40.1	44.5	+3.9	6	0.92	23	- 4	Markree Castle	1.1	0.0	15	3	27	42.3	- 0.2	44.9	- 2.0	
Armagh	Armagh ...	204	p	50	10, 11, 12	30	9th	47.4	39.4	43.6	+3.3	3	0.51	13	- 5	Armagh ..	1.7	+0.5	23	1	24	41.1	- 0.7	43.2	- 2.6	
Down	Donaghadee ...	35	t	50	10th	33	9th	47.4	39.6	43.7	+1.9	4	0.42	11	- 7											
10. IRELAND, S.																										
Dublin	Dublin City ...	54	p	53	12th	32	9th	49.0	40.0	44.7	+1.9	3	0.05	1	- 13	Trinity Coll.	—	—	—	4	26	41.6	- 1.3	43.7	- 2.5	
King's County	Birr Castle ...	175	t	50	10, 11, 12	30	9th	47.0	38.1	42.7	+1.8	2	0.33	8	- 11	Phoenix Park	2.1	+0.5	29	4	21	—	—	—	—	
Kilkenny	Kilkenny ...	195	a	50	10, 11, 12	28	14th	47.9	35.4	41.9	+0.8	5	0.20	5	- 15	Dublin City ..	—	—	—	1	27	—	—	—	—	
Waterford	Waterford ...	137	a	51	14th	31	9th	48.6	37.6	43.3	+0.6	4	0.14	4	- 22	Birr Castle ..	1.2	- 0.2	16	4	22	—	—	—	—	
	Seskin, Carrick-on-Suir	542	p	52	11th	30	9th	47.6	38.3	43.1	—	5	0.24	6	—	Seskin ..	2.0	—	27	2	25	—	—	—	—	
Limerick	Foynes ...	50	a	54	11th	34	9th	50.7	39.9	45.5	+2.4	6	0.33	8	- 19											
Kerry	Cahiriveen (Val.O.)	30	t	51	10, 11, 12	38	13th	49.7	43.7	46.8	+1.2	4	0.71	18	- 19	Cahiriveen	1.1	- 0.3	14	0	32	—	—	—	—	
	Killarney ...	174	a	54	11th	35	9, 10	53.4	40.1	45.5	+1.8	7	1.24	31	- 10	(Valencia O.)										
Cork	Roche's Point ...	32	t	51	10th	35	9, 14	48.0	41.1	44.7	- 0.2	4	0.31	8	- 22	Ballinacurra	1.2	- 0.2	16	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																										
Scilly	St. Mary's ...	131	t	53	10th	40	9th	50.0	44.0	47.1	- 0.6	4	0.17	4	- 23	St. Mary's ..	2.1	+0.3	26	—	—	—	—	—	—	
Guernsey	Grange ...	173	p	50	11, 13, 14	37	10th	49.3	42.3	45.9	+0.2	4	0.19	5	- 20	Grange ..	2.0	+0.3	24	1	28	43.3	- 3.0	47.0	- 2.9	
Jersey	St. Aubins ...	25	t	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers ..	—	—	—	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]

Week ending at midnight (24h.) on Saturday, December 15th, 1923.

DISTRICT COUNTY & STATION.	Height.			Distribution of Wind. ††										Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.				Highest Gust.							
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.							
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d.	hr.	m.p.h.	m/s.	d.	h.	m.		
Shetlands Lerwick ...	310	42	+	14	8	9 to 15	68	72	20	0	0	210	48	21	14	7	70	31	14	9	55		
Orkneys **Deerness (Cup Anr.)	188	16	5	—	0	8, 11 to 14	45	64	57	2	0	240	37	16	14	9	—	—	—	—	—		
1. SCOTLAND, E.																							
Aberdeen Aberdeen ...	72	42	+	—	0	14	1	70	95	2	0	240	28	12	14	10	53	24	14	9	30		
Edinburgh Edinburgh ...	485	39	31	—	0	10, 12, 14, 15	25	99	44	0	0	200	40	18	12	5	58	26	12	5	35		
6a. SCOTLAND, W.																							
Renfrew Paisley ...	188	81	15	—	0	—	0	51	105	12	0	190	23	10	12	4	54	24	14	8	30		
Dumfries Eskdalemuir ...	825	50	22	—	0	11, 12, 14	14	98	35	21	0	230	36	16	14	13	48	21	14	12	55		
2. ENGLAND, N.E.																							
Durham South Shields...	72	61	12	—	0	14	1	35	127	5	0	240	25	11	14	15	40	18	14	14	50		
York, E.R. Spurn Head ...	67	41	+	—	0	15	1	78	89	0	0	300	25	11	15	1	35	16	14	16	55		
Lincoln Cranwell ...	280	43	31	—	0	—	0	22	142	4	0	240	18	8	14	17	22	10	14	1	5		
3. ENGLAND, E.																							
Norfolk Gorleston ...	52	42	+	—	0	—	0	5	148	15	0	330	15	7	13	20	23	10	13	20	0		
Essex Shoeburyness...	103	90	+	—	0	—	0	35	121	12	0	230	17	8	10	18	26	12	15	0	5		
5. ENGLAND, S.E.																							
Surrey Richmond (Kew Obs.)...	82	65	22	—	0	—	0	0	64	104	0	220	9	4	14	19	20	9	13	18	0		
Kent Lympne ...	409	70	+	—	0	—	0	40	119	9	0	10	19	9	13	22	26	12	15	11	10		
Surrey Croydon ...	284	40	24	—	0	—	0	5	140	23	0	250	15	7	14	20	26	12	14	20	15		
Hampshire Petersfield (Stoner Hill)...	811	42	+	—	0	—	0	2	73	45	48	350	15	7	13	19	20	9	13	19	15		
Hampshire S. Farnboro' (Pye's Tr.)...	444	160	—	—	0	—	0	59	96	1	12	—	22	10	14	22	31	14	14	21	30		
Wiltshire Larkhill, S'y Plain ...	513	63	43	—	0	—	0	54	(114)	(0)	0	10 } 270 } 310 }	17	8	13 } 18 } 14 } 20 } 15 } 13 }	23	10	15	1	0			
7a. ENGLAND, N.W.																							
Lancashire *Fleetwood (Cup Anr.)...	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Lancashire Southport ...	80	62	48	—	0	14	7	66	85	10	0	240	31	14	14	18	43	19	14	17	40		
7b. NORTH WALES.																							
Anglesey Holyhead ...	64	45	+	—	0	13 to 15	5	122	38	3	0	200	26	12	13 } 14 } 22 }	43	19	12	1	50			
8b. ENGLAND, S.W.																							
Devon Plymouth ...	185	88	2	—	0	—	0	20	104	44	0	—	16	7	13	14	24	11	12	4	45		
Cornwall Pendennis Castle† ...	256	65	24	—	0	—	0	50	100	18	0	360	20	9	13	14	31	14	13	14	55		
10. IRELAND, S.																							
Dublin Kingstown (Cup Anr.)...	49	27	—	—	0	12, 14, 15	10	85	68	5	0	240	35	16	14	12	—	—	—	—	—		
Clare Quilly... ..	100	40	+	—	0	14	2	106	48	12	0	—	25	11	14	14	38	17	14	14	5		
Kerry Cahirciveen (Val. Obs.)...	98	41	+	—	0	—	7	88	54	19	0	190	25	11	12	4	41	18	12	5	45		
Cork Weaver Pt. ...	160	30	+	—	0	12	0	61	97	10	0	—	22	10	12	2	38	17	14	13	55		
11a. SCILLY ISLES.																							
Scilly St. Mary's	150	32	+	—	0	9, 14, 15	7	94	32	3	32	290	28	13	14	24	39	17	15	2	25		

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTIETH WEEK of 1923—December 9th to December 15th, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.-V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration		
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal									Below 42°
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..		55	23	47.1	38.0	42.7	+3.5	16	+ 8	11	- 14	6	0	1.98	50	+ 12	0.7	+0.3	12	1012
Eastern.																				
1. SCOTLAND, EAST ..		52	23	45.5	36.2	41.1	+3.0	10	+ 2	16	- 17	5	+ 1	0.36	9	- 8	1.6	+0.6	23	1016
2. ENGLAND, N.E. ..		48	22	44.1	35.3	39.9	0.0	6	- 4	21	- 4	3	- 1	0.15	4	- 9	1.7	+0.5	23	1023
3. ENGLAND, EAST ..		49	22	43.9	35.4	39.8	- 0.4	5	- 7	21	- 4	3	- 1	0.08	2	- 13	1.3	0.0	17	1025
4. MIDLAND COUNTIES		49	24	44.7	34.8	40.0	+0.3	8	- 4	22	- 6	2	- 2	0.07	2	- 16	1.3	+0.1	17	1025
5. ENGLAND, S.E. ..		51	22	45.5	36.3	41.1	- 1.0	10	- 8	16	- 1	4	0	0.10	3	- 16	1.7	+0.2	21	1026
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	25	47.6	37.9	42.9	+2.2	18	+ 6	11	- 8	6	+ 1	1.26	32	0	—	—	—	1020
7. ENGLAND, N.W. (and North Wales)		53	26	46.6	38.6	42.7	+1.5	14	+ 1	10	- 9	5	0	0.29	7	- 16	1.7	+0.8	24	1023
8. ENGLAND, S.W. (and South Wales)		52	26	46.5	37.9	42.4	- 0.8	14	- 7	11	- 1	4	- 1	0.19	5	- 26	2.1	+0.7	26	1025
9. IRELAND, NORTH ..		51	30	47.8	39.8	44.0	+2.5	20	+ 6	6	- 11	5	0	0.73	18	- 5	1.4	+0.2	19	1019
10. IRELAND, SOUTH ..		54	28	48.9	39.5	44.4	+1.2	24	+ 3	7	- 6	4	- 1	0.41	10	- 16	1.4	- 0.1	19	1024
11. CHANNEL ISLANDS (and Scilly)		53	37	49.5	42.9	46.3	- 0.4	30	- 6	0	- 3	4	- 1	0.18	5	- 21	2.0	+0.2	25	1027
MEAN: DISTRICTS 1-10		55	22	46.1	37.2	41.8	+0.9	13	- 1	14	- 7	4	0	0.36	9	- 13	1.6	+0.3	21	1023
THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, December 2nd to December 15th, 1923.																				
0. SCOTLAND, NORTH ..		55	23	44.6	36.7	40.8	+1.8	16	0	33	- 19	11	- 1	2.81	71	- 9	0.9	+ 0.3	14	1004
Eastern.																				
1. SCOTLAND, EAST ..		52	15	42.5	33.8	38.3	+0.2	10	- 5	61	- 4	10	+ 1	1.12	28	- 13	1.5	+ 0.4	22	1006
2. ENGLAND, N.E. ..		48	22	42.3	33.7	38.1	- 1.9	6	- 13	60	+12	7	- 1	0.55	14	- 16	1.8	+ 0.5	24	1011
3. ENGLAND, EAST ..		49	22	43.0	33.3	38.3	- 2.0	5	- 20	58	+ 9	7	- 2	0.49	12	- 19	1.3	- 0.1	17	1013
4. MIDLAND COUNTIES		49	24	43.7	33.0	38.5	- 1.4	10	- 14	58	+ 4	6	- 3	0.48	12	- 24	1.5	+ 0.3	19	1013
5. ENGLAND, S.E. ..		51	22	45.3	35.1	40.5	- 1.7	19	- 18	40	+ 6	9	0	0.89	23	- 20	1.7	+ 0.2	21	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	25	44.9	35.0	40.1	- 0.7	19	- 6	44	+ 9	11	+ 1	2.41	61	- 11	—	—	—	1009
7. ENGLAND, N.W. (and North Wales)		53	26	44.9	37.2	41.2	- 0.2	18	- 9	30	- 6	10	0	0.92	23	- 26	1.7	+ 0.7	23	1011
8. ENGLAND, S.W. (and South Wales)		52	26	46.1	37.1	41.8	- 1.6	24	- 20	27	+ 3	10	0	1.37	35	- 32	2.2	+ 0.7	28	1013
9. IRELAND, NORTH ..		51	26	45.9	37.3	41.9	+0.4	26	- 2	28	- 7	11	0	1.72	43	- 7	1.9	+ 0.6	25	1008
10. IRELAND, SOUTH ..		54	26	46.9	37.9	42.7	- 0.6	32	- 12	23	- 3	9	- 1	1.51	38	- 17	1.7	+ 0.2	22	1012
11. CHANNEL ISLANDS (and Scilly)		53	35	49.5	42.1	45.9	- 1.0	57	- 17	2	- 4	10	- 1	1.64	42	- 17	1.9	+ 0.1	24	1015
MEAN: DISTRICTS 1-10		55	15	44.5	35.3	40.1	- 1.0	17	- 12	43	+ 2	9	- 1	1.15	29	- 19	1.7	+ 0.4	22	1011
THE YEAR. Aggregates, &c., for the Period of 50 Weeks, December 31st, 1922, to December 15th, 1923.																				
0. SCOTLAND, NORTH ..		80	22	51.0	41.0	45.8	- 0.1	1819	-221	483	-192	249	+13	56.20	1426	+185	3.2	0.0	25	1007
Eastern.																				
1. SCOTLAND, EAST ..		82	12	51.6	40.0	45.6	- 0.5	1917	-329	669	-119	227	+28	32.52	830	+71	3.5	- 0.2	29	1008
2. ENGLAND, N.E. ..		91	20	53.8	42.0	47.7	- 0.2	2485	-133	505	- 69	187	+ 7	23.61	603	- 6	4.0	- 0.1	32	1011
3. ENGLAND, EAST ..		94	12	56.0	43.1	49.3	+0.4	2990	- 19	433	-164	170	- 6	21.77	551	- 33	4.4	- 0.1	36	1013
4. MIDLAND COUNTIES		95	16	55.4	42.0	48.5	+0.1	2773	-114	514	-139	186	+11	28.09	714	+62	3.6	- 0.4	29	1012
5. ENGLAND, S.E. ..		93	15	56.7	43.7	50.0	0.0	3159	- 92	369	- 81	175	+ 3	27.80	707	+36	4.6	0.0	37	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	19	53.1	41.7	47.2	- 0.5	2279	-240	456	- 50	237	+28	54.46	1378	+235	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		89	19	53.8	43.6	48.5	- 0.1	2616	-146	327	-129	220	+27	37.36	949	+88	3.7	- 0.3	30	1011
8. ENGLAND, S.W. (and South Wales)		93	15	55.5	44.4	49.7	- 0.1	2974	-128	271	- 82	200	+ 7	38.88	988	+42	4.2	- 0.2	34	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.5	- 0.1	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
11. CHANNEL ISLANDS (and Scilly)		90	32	57.1	47.8	52.3	- 0.1	3637	-104	31	- 79	208	+ 7	36.37	924	+125	4.0	- 0.4	39	1015
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; YORK STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; or 120, GEORGE STREET, EDINBURGH.

Forty-Sixth Year. } No. 51.
Vol. XL. (New Series) }

FIFTY-FIRST WEEK.

SUNDAY, DECEMBER 16TH, TO SATURDAY, DECEMBER 22ND, 1923.

Price 9d. Net, Post free 9½d.
Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Weather of an unsettled character prevailed over Scotland and a large part of England. In the Orkneys gales and snow storms were experienced on most days, while snow fell very generally between the 18th and 20th in Scotland, the northern and eastern parts of England, the Midlands and the south-east of England. In many places the snow was lying for two or three days, measuring 4ins. deep at Norwich and 5ins. at Achnashellach (Rossire). Hail fell between the 18th and 20th in Scotland, along the East Coast of England and at a few places in the south west. Vivid lightning was seen at Cromer on the night of the 19th and at Yarmouth on the early morning of the 20th, while a thunderstorm was experienced on the 20th from Scarborough to Gledston.

Temperature was very variable. Day temperatures of 50°F. or above which marked the opening days of the week over a large part of the country, were followed by two and in some cases three cold days,

during which the maximum had fallen from 10°F. to 15°F. This was followed by a rise, mostly on the last day of the week, in which the reading was as high or nearly as high as at the beginning. Nearly everywhere the nights of the 19th—21st were the coldest of the week, and except in Ireland and the extreme south-west of England, there were very few places at which the minimum in the screen did not fall below the freezing point. At Cheadle and Marlborough the reading was down to 24. The mean temperature of the week was above the normal in all Districts except Scotland north and England south-east, varying from -0.7 in Scotland north to +2.3 in Ireland north. In the north-east of England and the Midlands the rainfall was normal. Only in Scotland north and east and the eastern side of England was there an excess.

An aurora was seen at Gordon Castle on the 19th, and both a lunar halo and lunar corona at Oxford on the 16th and 17th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.			EDINBURGH. Blackford Hill.			ENGLAND, E. Gorleston.			LONDON. Richmond.			NORTH WALES. Holyhead.			ENGLAND, S.W. Seilly.			DUBLIN. Kingstown.			IRELAND, S.W. Cahiriveen.		
	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.	Fre- quency.		Mean Value.
	m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s		m.p.h.	m/s	
South	3	12	5.5	2	4	1.7	3	8	3.5	7	4	1.8	10	7	2.9	0	—	—	8	6	2.6	11	4	1.9
North	24	16	7.0	17	9	4.0	21	6	2.7	13	6	2.9	18	15	6.5	25	15	6.5	11	7	3.2	16	9	4.1
West	26	21	9.2	25	16	7.1	27	10	4.5	25	7	3.1	27	20	9.1	23	18	7.9	28	22	9.9	23	12	5.5
East	1	2	1.1	0	—	—	0	—	—	0	—	—	1	9	4.0	0	—	—	0	0	—	5	3	1.5
Calm (or wind-speed < 4 m.p.h.)	0	—	—	2	—	—	0	—	—	3	—	—	0	—	—	0	—	—	0	—	—	0	—	—
No record	0	—	—	0	—	—	1	—	—	0	—	—	0	—	—	0	—	—	0	—	—	0	—	—

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

DISTRICTS OF THE BRITISH ISLES.													
An explanation of the terms "Unusual," &c., is printed on a separate sheet. See below.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
	Scotland, N.	Scotland, E.	England, N.E.	England, E.	Midland Counties.	England, S.E.	Scotland, W. (and I. of Man).	England, N.W. (and N. Wales).	England, S.W. (and S. Wales).	Ireland, N.	Ireland, S.	Channel Islands (and Seilly).	
Comparison with the normal for the time of year ..	Warmth	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Light	Light	Light	Light
	Sunshine	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate	—	Abundant	Moderate	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 3 weeks from Dec. 2nd, 1923.	Warmth	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
	..	1, 2, 0	1, 1, 1	0, 2, 1	0, 2, 1	0, 2, 1	0, 2, 1	1, 1, 1	0, 2, 1	0, 2, 1	1, 1, 1	0, 2, 1	0, 3, 0
	Rainfall	..	1, 1, 1	0, 2, 1	0, 2, 1	1, 1, 1	0, 2, 1	0, 2, 1	0, 3, 0	0, 2, 1	0, 1, 2	0, 2, 1	1, 0, 2
Sunshine	..	1, 2, 0	2, 1, 0	3, 0, 0	0, 3, 0	2, 1, 0	0, 3, 0	—	3, 0, 0	2, 1, 0	1, 2, 0	0, 3, 0	0, 2, 1
	..	1, 2, 0	2, 1, 0	3, 0, 0	0, 3, 0	2, 1, 0	0, 3, 0	—	3, 0, 0	2, 1, 0	1, 2, 0	0, 3, 0	0, 2, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
				Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal	Daily Mean		Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.		
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal	
0. SCOTLAND, N.																									
Shetlands	Lerwick	54	t	48	17th	27	19th	40.3	31.9	36.3	-4.0	7	1.43	36	+14	Lerwick	0.5	—	—	—	—	—	—	—	
Orkneys	Deerness	160	p	50	17th	28	21st	43.6	32.1	38.1	-2.1	7	1.31	33	+14	Deerness	0.1	-0.5	—	—	—	—	—	—	
Hebrides	Stornoway	51	t	51	17th	28	20th	43.0	36.6	39.9	-0.3	7	1.30	33	+5	Stornoway	0.7	0.0	11	—	—	—	—	—	
	Castlebay	37	t	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	
Caitness	Wick	81	t	51	17th	30	22nd	41.3	34.1	37.8	-1.4	7	1.23	31	+17										
Ross and Cromarty	Strathpeffer	125	a	52	17th	26	20th	43.6	33.0	38.5	+0.6	7	1.41	36	+20										
	Achnashellach	225	a	50	17th	29	20th	41.9	35.4	38.8	—	7	3.50	89	—	Achnashellach	—	—	—	5	21	—	—	—	
Inverness	Inverness	242	a	54	17th	27	20th	42.7	34.3	38.7	—	5	0.69	17	—	Inverness	0.7	—	10	3	18	—	—	—	
	Port Augustus	68	a	52	17th	27	20th	43.7	32.3	38.2	-0.3	6	0.78	20	-7										
	Onich	48	a	51	17, 22	28	20th	43.4	36.0	40.3	—	6	1.36	35	—	Onich	0.3	—	5	3	21	—	—	—	
1. SCOTLAND, E.																									
Nairn	Nairn	82	t	53	17th	30	20th	41.9	35.0	38.6	+0.9	7	0.73	19	+9	Nairn	0.5	—	8	—	—	—	—	—	
Elgin	Gordon Castle	101	p	53	17th	30	19, 20, 21	43.6	34.0	39.0	+0.3	7	1.06	27	+15	Gordon Castle	0.4	—	7	—	—	—	—	—	
Aberdeen	Aberdeen	46	a	53	16th	30	19th	41.3	34.4	38.0	—	7	1.00	25	+10	Aberdeen	1.9	+0.9	29	4	25	—	—	41.1	
	Balmoral	930	a	51	16th	24	20, 21	41.7	32.9	37.5	+2.6	6	0.94	24	+9	Balmoral	—	—	—	4	20	—	—	-0.9	
Perth	Crieff	478	p	53	16th	26	20th	44.7	33.1	39.1	+1.5	3	0.17	4	-17	(Kinc.) Crathes	—	—	—	—	—	37.6	—	40.3	
Forfar	Dundee	147	a	53	16th	29	20th	41.9	34.4	38.3	—	1	0.24	6	—	Dundee	2.1	—	32	4	26	38.0	—	—	
Fife	Inchkeith	190	t	51	17th	30	20th	42.6	37.3	40.1	—	2	0.23	6	—	Inchkeith	2.1	—	31	—	—	—	—	—	
Midlothian	Edinburgh	441	p	50	22nd	28	20th	43.1	35.0	39.2	+0.2	2	0.28	7	-3	Edinburgh	1.9	+0.7	28	2	24	—	—	—	
Peebles	West Linton	770	a	50	16, 17	25	21st	42.9	33.1	38.2	+3.3	7	0.66	17	—	West Linton	—	—	—	3	21	—	—	—	
Berwick	Marchmont	498	a	51	16th	26	21st	43.1	32.4	38.0	+0.9	2	0.51	13	0	Marchmont	1.7	+0.7	25	—	—	—	—	—	
2a. SCOTLAND, W.																									
Argyle	Ford	149	a	52	16th	28	20th	47.1	36.0	41.8	—	7	1.51	38	—	Ford	—	—	—	3	26	40.5	—	42.2	
Renfrew	Renfrew	49	t	51	17th	30	19, 21	43.4	36.4	40.0	—	6	0.27	7	—	Renfrew	2.0	—	30	3	20	—	—	—	
Bute	Rothsay	200	p	50	17th	28	20th	44.0	36.1	40.2	-0.2	7	0.96	24	-3	Rothsay	1.3	—	20	3	24	39.7	—	43.0	
Ayr	Kilmarnock	90	a	50	16, 17	25	20th	45.3	34.0	39.9	+1.0	4	0.36	9	-12	Kilmarnock	1.2	—	18	—	—	39.7	—	43.0	
	Colmonell	170	a	49	16, 17	32	20th	45.6	38.0	42.0	+1.5	6	0.69	17	-10	Colmonell	—	—	—	1	25	—	—	—	
Dumfries	Dumfries	140	p	50	16, 17, 22	28	20th	44.1	34.7	39.6	+0.9	4	0.40	10	-9	Dumfries	1.0	—	15	3	20	39.4	+0.3	42.8	
	Eskdalemuir	794	t	49	17th	23	20th	40.4	32.0	36.4	—	5	0.72	18	—	Eskdalemuir	2.0	—	29	3	18	—	—	0.0	
2b. ISLE OF MAN.																									
I. of Man	Douglas	284	a	50	17, 22	32	20th	45.1	39.0	42.2	+0.2	6	0.70	17	-7	Douglas	1.9	+0.7	26	2	29	—	—	—	
3. ENGLAND, N.E.																									
Northumberland	Cockle Park	324	p	54	16th	27	20th	43.7	32.6	38.4	+1.2	4	0.63	16	+3	Cockle Park	1.6	+0.3	23	4	23	37.6	+0.2	40.8	
	Tynemouth	118	t	51	17th	32	21st	43.0	36.6	39.9	+0.8	3	0.59	15	+5	Tynemouth	—	—	—	1	30	—	—	-0.6	
Durham	Durham	336	p	51	16th	27	20th	43.3	33.4	38.6	+1.0	3	0.31	8	-2	Durham	2.5	+1.3	36	4	23	—	—	—	
York	Rounton	249	p	50	16, 18	28	20th	43.0	32.7	38.1	+0.5	5	0.42	11	+1	Rounton	—	—	—	4	20	37.6	—	—	
	West Witton	605	a	49	17th	32	20, 21	41.7	34.3	38.2	—	4	0.20	5	—	West Witton	—	—	—	5	23	37.2	—	40.6	
	Scarborough	118	a	50	17th	32	21, 22	43.6	35.7	39.8	+0.5	3	0.70	18	+7	Scarborough	1.3	+0.4	18	4	26	—	—	41.3	
	York	56	p	51	17, 18	32	19, 20, 21	44.6	35.7	40.3	+1.8	3	0.46	12	+2	York	2.2	+1.5	30	—	—	39.3	-1.3	42.5	
E. Riding	Spurn Head	26	t	47	16, 17	31	21st	41.9	36.3	39.2	-0.4	4	0.59	15	+6	Spurn Head	1.4	—	19	—	—	—	—	—	
Lincoln	Lincoln	58	a	51	17th	29	21st	43.7	35.1	39.6	+1.6	3	0.50	13	+3	Lincoln	—	—	—	5	26	37.5	-1.9	41.5	
	Cranwell	237	t	49	17, 22	27	21st	42.3	34.9	38.8	+0.7	3	0.47	12	+1	Cranwell	1.4	+0.2	18	5	23	—	—	-2.7	
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	1.6	+0.1	21	—	—	—	—	—	
3. ENGLAND, E.																									
Norfolk	Cromer	196	a	50	17th	31	22nd	43.2	36.1	39.8	+0.8	4	0.58	15	+7	Cromer	1.6	+0.1	22	—	—	—	—	—	
	Yarmouth	13	t	49	17th	30	22nd	42.3	34.7	38.7	-0.2	4	1.06	27	+17	Yarmouth	1.8	—	24	4	27	39.4	-1.8	43.0	
Norwich	Norwich	93	a	48	16, 17	29	21st	42.3	34.6	38.6	+0.3	4	0.94	24	+14	Norwich	1.1	—	15	5	26	35.4	—	-2.8	
Geldeston	Geldeston	37	a	50	16th	29	21st	43.5	33.7	38.8	-0.2	4	0.90	23	+14	Geldeston	1.3	-0.3	17	—	—	—	—	—	
Cambridge	Cambridge	41	p	50	17, 22	28	21, 22	44.9	33.0	39.2	+0.8	2	0.37	9	+2	Cambridge	1.0	-0.3	14	6	22	38.3	-2.6	42.8	
Hertford	Rothamsted	420	a	49	22nd	26	21, 22	42.7	33.3	38.2	-0.2	4	0.40	10	-1	Rothamsted	1.1	-0.4	14	4	21	38.0	—	-2.7	
Middlesex	Tottenham	51	p	51	22nd	29	21st	45.1	35.0	40.3	—	3	0.34	9	—	Tottenham	0.8	—	10	—	—	—	—	—	
Essex	Clacton-on-Sea	54	t	49	16th	28	21st	43.0	34.9	39.1	0.0	5	0.53	13	+6	Clacton-on-Sea	1.7	+0.1	22	4	25	38.8	-3.5	43.7	
	Southend	90	a	50	18, 22	26	21st	43.9	32.9	38.6	—	4	0.36	9	—	Southend	0.6	—	8	3	24	39.1	—	-3.0	
4. MIDLAND COUNTIES.																									
York	Harrogate	479	a	48	17, 22	27	21st	43.1	33.4	38.4	+0.9	5	0.38	10	-3	Harrogate	2.0	+0.7	27	5	26	39.2	-0.7	40.5	
W. Riding	Sheffield	429	p	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	-1.8	
Derby	Buxton	987	p	46	17th	25	21st	40.4	33.0	36.9	+0.7	7	1.47	37	+14	Buxton	1.2	—	16	2	24	37.0	-1.3	40.4	
Nottingham	Worksop	86	a	51	17, 22	28	21st	45.7	35.0	40.6	+2.3	4	0.46	12	+2	Worksop	1.0	+0.1	14	5	20	37.8	—	41.2	
	Nottingham	52	t	51	22nd	30	21st	43.7	37.1	40.5	+1.8	2	0.28	7	-2	Nottingham	0.8	0.0	11	4	24	37.8	-1.4	40.3	
Warwick	Birmingham (Edg.)	525	t	50	17, 22	27	21st	43.0	35.3	39.3	+0.7	5	0.65	16	+5	Birmingham	1.0	+0.1	14	2	20	40.1	-1.6	44.9	
Northampton	Oundle	147	a	51	17th	28	21st	44.1	34.9	39.7	—	3	0.34	9	—	Oundle	1.1	—	15	5	23	38.4	—	42.9	
Oxford	Oxford	208	p	52	17th	28	21st	45.1	33.7	39.6	+0.2	3	0.36												

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.							Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.	Daily Mean	Deviation from Normal	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frost	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.		Ft.		*F.		*F.		*F.		*F.								*F.		*F.		*F.		*F.
Cardigan	Aberystwyth	16	h	48	18, 21, 22	34	21st	46.9	40.3	43.7	—	5	0.36	9	—	—	—	—	—	—	—	—	—	
Pembroke	St. Ann's Hd.	149	t	50	17, 22	36	20th	48.1	43.1	45.7	+1.4	5	0.23	6	- 14	—	—	—	—	—	—	—	—	
Radnor	Rhayader...	757	a	49	17th	28	20th	44.4	36.1	40.4	—	4	0.45	11	—	—	—	—	—	—	—	—	—	
Glamorgan	Cardiff	202	p	52	22nd	29	20, 21	46.1	36.9	41.7	+1.2	2	0.13	3	- 19	—	—	—	—	—	—	—	—	
8b. ENGLAND, S.W.																								
Somerset	Bath	66	h	52	22nd	28	21st	46.7	37.4	42.2	+1.7	4	0.22	6	- 9	—	—	—	—	—	—	—	—	
Dorset	Shaftesbury	722	a	48	17th	25	21st	44.4	35.0	39.9	+0.8	5	0.13	3	- 13	—	—	—	—	—	—	—	—	
	Portland Bill	19	t	51	17th	32	21st	47.0	42.3	44.7	+0.4	2	0.12	3	- 11	—	—	—	—	—	—	—	—	
Devon	Arlington	613	a	49	17th	31	20, 21	45.9	38.1	42.2	+1.6	5	0.39	10	- 20	—	—	—	—	—	—	—	—	
	Cullompton	202	a	51	17th	29	21st	48.1	38.1	43.3	+2.4	5	0.16	4	- 16	—	—	—	—	—	—	—	—	
	Plymouth...	116	p	52	17, 18	33	20th	48.4	40.1	44.4	+0.6	4	0.10	3	- 19	—	—	—	—	—	—	—	—	
Cornwall	Newquay	190	h	49	17, 18, 22	39	20, 21	47.5	43.9	45.8	+0.7	5	0.20	5	- 14	—	—	—	—	—	—	—	—	
	Falmouth...	167	h	51	17, 18	35	21st	48.3	41.7	45.1	+0.3	6	0.30	8	- 20	—	—	—	—	—	—	—	—	
9. IRELAND, N.																								
Donegal	Malin Head	71	t	50	17th	36	20th	47.0	41.9	44.6	+2.3	7	0.44	11	- 7	—	—	—	—	—	—	—	—	
Mayo	Blacksod Point	10	t	51	17, 18	31	20th	48.6	39.7	44.3	+0.4	—	—	—	—	—	—	—	—	—	—	—	—	
	Mallaryny	120	a	53	17th	37	20th	49.3	41.9	45.8	—	2	0.63	16	—	—	—	—	—	—	—	—	—	
Sligo	Markree Castle	122	p	53	17, 18	33	20th	48.9	40.3	44.8	+4.3	6	0.91	23	- 2	—	—	—	—	—	—	—	—	
Armagh	Armagh	204	p	51	16th	31	19, 20	46.3	37.7	42.2	+2.0	6	0.14	4	- 12	—	—	—	—	—	—	—	—	
Down	Donaghadee	35	t	52	16th	36	19, 21	46.4	39.7	43.2	+1.5	6	0.24	6	- 11	—	—	—	—	—	—	—	—	
10. IRELAND, S.																								
Dublin	Dublin City	54	p	52	17, 18	33	20th	47.3	39.4	43.5	+1.1	4	0.09	2	- 11	—	—	—	—	—	—	—	—	
King's County	Birr Castle	175	t	51	17th	29	20th	46.3	39.9	43.2	+2.7	4	0.14	3	- 15	—	—	—	—	—	—	—	—	
Kilkenny	Kilkenny	195	a	51	16, 17, 22	30	16th	47.7	36.6	42.4	+1.8	4	0.10	3	- 16	—	—	—	—	—	—	—	—	
Waterford	Waterford	137	a	53	17th	33	20, 21	48.6	38.4	43.7	+1.4	2	0.04	1	- 24	—	—	—	—	—	—	—	—	
	Seskin, Carrick-on-Suir	542	p	50	16, 17, 18	30	20th	46.0	37.4	41.9	—	4	0.13	3	—	—	—	—	—	—	—	—	—	
Limerick	Foynes	50	a	50	16, 17, 22	36	21st	47.9	41.4	44.8	+2.1	7	0.40	10	- 16	—	—	—	—	—	—	—	—	
Kerry	Cahirciveen (Val.O.)	30	t	52	17th	36	21st	49.1	44.9	47.1	+1.8	4	0.30	7	- 29	—	—	—	—	—	—	—	—	
	Killarney	174	a	54	17th	31	20, 21	50.0	39.6	45.0	+1.6	6	0.45	11	- 28	—	—	—	—	—	—	—	—	
Cork	Roche's Point	32	t	52	16, 18	35	21st	48.7	42.4	45.7	+1.2	3	0.07	2	- 27	—	—	—	—	—	—	—	—	
11. CHANNEL ISLES & SCILLY.																								
Scilly	St. Mary's	131	t	51	18th	37	21st	48.9	44.0	46.6	- 0.3	7	0.33	9	- 8	—	—	—	—	—	—	—	—	
Guernsey	Grange	173	p	52	18th	35	20, 21	49.4	41.6	45.7	+1.1	5	0.17	4	- 12	—	—	—	—	—	—	—	—	
Jersey	St. Heliers	25	t	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 22nd, 1923.

DISTRICT COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.									
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.			Highest Gust.						
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.					
0. SCOTLAND, N. Shetlands Lerwick ... Orkneys **Deerness (Cup Anr.)	ft. 310 188	ft. 42 16	ft. + 5	16, 18, 19 27 23	hr. 23	16 to 20, 22 79 15 to 21	hr. 43 95	hr. 10 27	hr. 7 3	hr. 2 0	o 270 300	m.p.h. 51 54	m/s. 23 24	d. hr. 18 10 18 11	m.p.h. 80 —	m/s. 36 —	d. h. m. 18 5 50 — — —				
1. SCOTLAND, E. Aberdeen Aberdeen ... Edinburgh Edinburgh ... 6a. SCOTLAND, W. Renfrew Paisley ... Dumfriess Eskdalemuir ...	72 485 188 825	42 39 81 50	+ 31 15 22	— — — 22	0 0 0 1	18, 19 16 to 19 18, 22 16 to 20, 22	12 36 5 46	91 86 72 70	59 36 75 38	6 10 16 11	0 0 0 2	300 280 300 300	34 34 30 39	15 15 13 17	18 16 22 22	13 15 10 11	64 55 66 60	29 25 29 27	18 18 18 22	12 12 10 10	50 0 45 40
2. ENGLAND, N.E. Durham South Shields... York, E.R. Spurn Head ... Lincoln Cranwell ...	72 67 280	61 41 43	12 + 31	16 — —	2 0 0	16 to 18, 20 16 to 22 18, 22	32 91 3	102 74 116	31 3 49	1 0 0	0 0 0	260 310 310	39 37 27	17 17 12	16 20 18	9 17 15	59 54 32	26 24 14	16 18 22	6 15 16	50 5 25
3. ENGLAND, E. Norfolk Gorleston ... Essex Shoeburyness...	52 103	42 90	+ +	— —	0 0	— 20	0 2	92 140	76 26	0 0	0 0	360 —	23 27	10 12	20 20	5 2	45 46	20 21	20 20	9 2	50 39
5. ENGLAND, S.E. Surrey Richmond (Kew Obs.)... Kent Lympne ...	82 409	65 70	22 +	— —	0 0	— 19, 20	0 19	9 95	138 53	21 1	0 0	240 350	15 31	7 14	20 20	10 3	29 44	13 20	20 20	9 2	55 35
Surrey Croydon ... Hampshire Petersfield (Stoner Hill)... Hampshire S. Farnboro' (Pye's Tr.)... Wiltshire Larkhill, S'y Plain ...	284 811 444 513	40 42 160 63	24 + — 43	— — — —	0 0 0 0	— 22 20, 22 16, 20 to 22	0 1 9 23	31 89 125 126	127 66 17 19	10 12 4 0	0 0 13 0	270 280 320 300 } 290 }	17 25 30 30	8 11 13 13	22 22 22 16 12 22 11	10 14 13 38	32 39 44 17	14 17 20 38	19 22 22 16 12 22 10	18 14 12 12 10	30 35 35 0
7a. ENGLAND, N.W. Lancashire *Fleetwood ... Lancashire Southport ...	109 80	44 62	— 48	— 19	0 2	16 to 20, 22 16 to 20, 22	62 75	83 65	16 22	7 4	0 0	310 330	35 39	16 17	19 19	19 23	57 49	26 22	18 19	15 22	0 55
7b. NORTH WALES. Anglesey Holyhead ...	64	45	:	19	1	16 to 22	91	65	3	0	8	320	39	17	19	21	60	27	19	18	0
8b. ENGLAND, S.W. Devon Plymouth ... Cornwall Pendennis Castles ...	185 256	88 65	2 24	— —	0 0	22 19, 22	1 15	62 74	91 72	9 0	5 7	— 270	25 28	11 13	22 22	22 20	44 45	20 20	22 22	22 19	30 55
10. IRELAND, S. Dublin Kingstown (Cup Anr.)... Clare Quilty... Kerry Cahirciveen (Val. Obs.)... Cork Weaver Pt. ... 11a. SCILLY ISLES. Scilly St. Mary's	49 100 98 180 150	27 40 41 30 32	— + + + +	16, 22 — — — 22	2 0 0 0 8	16 to 19, 21, 22 — — 22 19 to 22	63 13 0 2 74	100 122 86 71	3 29 75 93	0 4 7 2 0	0 0 0 0 38	250 — 355 — 290	45 29 23 26	20 13 10 12	16 22 19 22	10 9 15 9	— 43 41 43	— 19 22 19	— 9 6 22	— 0 15 15	

‡‡ Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.

§Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.

*From a new anemometer from which records commenced on 14th December.

‡Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

DISTRICTS. (See Frontispiece map.)		FIFTY-FIRST WEEK of 1923—December 16th to December 22nd, 1923.																		
		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station	Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall	Deviation from Normal	Daily Mean	Deviation from Normal	Percentage of Possible Duration			
			Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Deviation from Normal	Above 42°	Deviation from Normal								Below 42°		Deviation from Normal
		°F.	°F.	°F.	°F.	°F.	°F.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH .. Eastern.		52	26	42.5	34.3	38.5	- 0.7	1	- 7	26	- 1	7	+ 2	1.57	40	+ 12	0.5	- 0.1	8	1013
1. SCOTLAND, EAST ..		53	24	42.7	34.0	38.5	+ 0.7	2	- 4	26	- 10	5	+ 1	0.66	17	+ 3	1.6	+ 0.7	25	1015
2. ENGLAND, N.E. ..		54	27	43.2	34.8	39.2	+ 0.3	3	- 5	23	- 6	3	- 1	0.52	13	+ 2	1.8	+ 0.7	24	1018
3. ENGLAND, EAST ..		51	26	43.4	34.4	39.1	+ 0.3	4	- 4	24	- 7	4	0	0.64	16	+ 7	1.3	- 0.1	18	1019
4. MIDLAND COUNTIES		53	24	45.1	34.9	40.2	+ 1.5	9	0	21	- 12	4	0	0.41	11	0	1.6	+ 0.5	21	1021
5. ENGLAND, S.E. ..		54	24	45.2	34.9	40.3	- 0.4	9	- 4	21	- 1	3	0	0.28	7	- 6	1.7	+ 0.1	21	1021
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		52	25	44.9	36.3	40.8	+ 0.4	8	- 2	17	- 5	6	+ 2	0.70	17	- 10	—	—	—	1018
7. ENGLAND, N.W. (and North Wales)		56	26	44.9	38.4	41.8	+ 1.5	8	- 3	10	- 13	5	+ 1	0.71	18	+ 1	1.2	+ 0.2	17	1022
8. ENGLAND, S.W. (and South Wales)		52	25	46.7	38.9	43.0	+ 0.7	16	- 1	9	- 5	4	0	0.22	6	- 16	1.5	0.0	19	1025
9. IRELAND, NORTH ..		53	29	47.3	39.9	43.7	+ 2.3	18	+ 5	6	- 12	6	+ 1	0.35	9	- 12	1.3	+ 0.2	18	1024
10. IRELAND, SOUTH ..		54	29	48.2	40.3	44.4	+ 1.6	22	+ 1	5	- 9	4	- 1	0.20	5	- 20	1.2	- 0.2	16	1029
11. CHANNEL ISLANDS (and Scilly)		52	35	49.2	42.4	46.0	+ 0.3	28	- 2	0	- 4	6	+ 1	0.22	6	- 11	1.1	- 0.6	13	1027
MEAN: DISTRICTS 1-10		56	24	45.2	36.7	41.1	+ 0.9	10	- 2	16	- 8	4	0	0.47	12	- 5	1.5	+ 0.2	20	1021
THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, December 2nd to December 22nd, 1923.																				
0. SCOTLAND, NORTH .. Eastern.		55	23	43.9	35.9	40.0	+ 0.9	17	- 7	59	- 20	18	+ 1	4.38	111	+ 3	0.8	+ 0.2	12	1007
1. SCOTLAND, EAST ..		53	15	42.6	33.9	38.4	+ 0.4	12	- 9	87	- 14	15	+ 2	1.78	45	- 10	1.5	+ 0.4	23	1009
2. ENGLAND, N.E. ..		54	22	42.6	34.0	38.5	- 1.1	9	- 18	83	+ 6	10	- 2	1.07	27	- 14	1.8	+ 0.6	24	1013
3. ENGLAND, EAST ..		51	22	43.1	33.6	38.6	- 1.2	9	- 24	82	+ 2	11	- 2	1.13	28	- 12	1.3	- 0.1	17	1015
4. MIDLAND COUNTIES		53	24	44.1	33.6	39.1	- 0.4	19	- 14	79	- 8	10	- 3	0.89	23	- 24	1.5	+ 0.3	20	1015
5. ENGLAND, S.E. ..		54	22	45.3	35.1	40.4	- 1.2	28	- 22	61	+ 5	12	0	1.17	30	- 26	1.7	+ 0.2	21	1016
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		55	25	44.9	35.4	40.4	- 0.3	27	- 8	61	+ 4	17	+ 3	3.11	78	- 21	—	—	—	1012
7. ENGLAND, N.W. (and North Wales)		56	26	44.9	37.6	41.4	+ 0.4	26	- 12	40	- 19	15	+ 1	1.63	41	- 25	1.6	+ 0.6	21	1014
8. ENGLAND, S.W. (and South Wales)		52	25	46.3	37.7	42.2	- 0.8	40	- 21	36	- 2	14	0	1.59	41	- 48	1.9	+ 0.4	25	1017
9. IRELAND, NORTH ..		53	26	46.4	38.2	42.5	+ 1.0	44	+ 3	34	- 19	17	+ 1	2.07	52	- 19	1.7	+ 0.5	23	1013
10. IRELAND, SOUTH ..		54	26	47.4	38.7	43.2	+ 0.1	54	- 11	28	- 12	13	- 2	1.71	43	- 37	1.5	0.0	20	1018
11. CHANNEL ISLAND (and Scilly)		53	35	49.4	42.2	46.0	- 0.5	85	- 19	2	- 8	16	0	1.86	48	- 28	1.6	- 0.2	20	1019
MEAN: DISTRICTS 1-10		56	15	44.8	35.8	40.5	- 0.3	27	- 14	59	- 6	13	0	1.61	41	- 24	1.6	+ 0.3	22	1014
THE YEAR. Aggregates, &c., for the Period of 51 Weeks, December 31st, 1922, to December 22nd, 1923.																				
0. SCOTLAND, NORTH .. Eastern.		80	22	50.8	40.9	45.7	0.0	1820	-228	509	-193	256	+15	57.77	1466	+197	3.1	0.0	25	1007
1. SCOTLAND, EAST ..		82	12	51.4	39.8	45.4	- 0.6	1919	-333	695	-129	232	+29	33.18	847	+74	3.4	- 0.3	28	1008
2. ENGLAND, N.E. ..		91	20	53.6	41.9	47.5	- 0.2	2488	-138	528	- 75	190	+ 6	24.13	616	- 4	3.9	- 0.1	32	1011
3. ENGLAND, EAST ..		94	12	55.8	42.9	49.1	+ 0.4	2994	- 23	457	-171	174	- 6	22.41	567	- 26	4.4	0.0	35	1013
4. MIDLAND COUNTIES		95	16	55.2	41.8	48.3	+ 0.1	2782	-114	535	-151	190	+11	28.50	725	+62	3.6	- 0.3	29	1013
5. ENGLAND, S.E. ..		93	15	56.4	43.6	49.8	0.0	3168	- 96	390	- 82	178	+ 3	28.08	714	+30	4.6	0.0	37	1014
Western.																				
6. SCOTLAND, WEST (and Isle of Man)		86	19	52.9	41.6	47.1	- 0.4	2287	-242	473	- 55	243	+30	55.16	1395	+225	—	—	—	1010
7. ENGLAND, N.W. (and North Wales)		89	19	53.6	43.5	48.4	0.0	2624	-149	337	-142	225	+28	38.07	967	+89	3.6	- 0.4	30	1012
8. ENGLAND, S.W. (and South Wales)		93	15	55.3	44.3	49.6	- 0.1	2990	-129	280	- 87	204	+ 7	39.10	994	+26	4.1	- 0.3	34	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	- 0.2	28	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly)		90	32	56.9	47.7	52.2	0.0	3665	-106	31	- 83	214	+ 8	36.59	930	+114	4.8	- 0.4	39	1015
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1012
		°F.	°F.	°F.	°F.	°F.	°F.	Day-deg. F.	Day-deg. F.	Day-deg. F.	Day-deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.

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Forty-Sixth Year. } No. 52.
Vol. XL. (New Series) }

FIFTY-SECOND WEEK.

SUNDAY, DECEMBER 23RD, TO SATURDAY, DECEMBER 29TH, 1923.

Price 9d. Net, Post free 9d.

Annual Subscription
(including Postage), £2 0s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was again changeable and unsettled. The total amount of precipitation, which was in excess of the normal in nearly all parts of the country, consisted of rain, snow or hail, and in some parts the falls of snow were rather heavy. "Snow lying" to a depth of four to five in. was recorded in places, notably in the northern parts of the country. Among the largest measurements of precipitation were 29mm. at Douglas (Isle of Man), 28mm. at Arlington (Devon), 24mm. at Buxton and Colmonell (Ayr), 22mm. at Cardiff, 20mm. at Felixstowe and at Malin Head on the 25th and 20mm. at Donaghadee on the 27th and at Mallarany (Mayo) on the 29th. In some parts of Scotland and northern England the highest temperatures of the week did not reach 40°F., but in several places, especially in Ireland and southern England, maximum temperatures ranging between 50° and 55°F. were recorded. Screen minima below 25°F. were registered in many parts of our Islands, and some readings

below 20°F. were obtained, the actual lowest being 13°F. at Eskdalemuir and Renfrew. Ground frosts were recorded in all parts of the country and in a few places the readings of the grass thermometer were slightly below 10°F. The mean temperature for the week was below the normal in all Districts with the exception of England S.W., Ireland and the Channel Islands, where it was above the normal. The brightest day of the week was the 23rd when a number of stations had sunshine values of between 6 and 7 hrs., the largest amount, 7.0 hrs., occurring at Southampton (Calshot). The departure of the mean daily duration of sunshine from the normal for the week ranged from +1.0 hr. at Plymouth and Guernsey to -0.8 hr. at Llandudno. Mist or fog occurred in several places. Solar halos were observed at Aberdeen on the 25th, and at Oxford on the 26th and 27th. Lunar halos were seen at Dublin on the 24th and at Oxford and Ross-on-Wye on the 24th and 27th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.: maximum possible 28). MEAN VALUES in miles per hour and metres per second. [First published 1916.]

WIND COMPONENT FROM				SCOTLAND, N.* Deerness.				EDINBURGH. Blackford Hill.				ENGLAND, E. Gorleston.				LONDON. Richmond.				NORTH WALES. Holyhead.				ENGLAND, S.W. Scilly.				DUBLIN. Kingstown.				IRELAND, S.W. Cahiriveen.			
				Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.		Fre- quency.		Mean Value.	
South	...	...	2	10	4.3	6	4	1.8	9	11	5.1	6	6	2.9	10	11	4.7	7	8	3.4	8	8	3.4	14	11	4.9									
North	...	...	19	10	4.3	10	6	2.5	14	9	4.0	15	7	3.3	15	12	5.4	11	3	6.0	9	9	4.1	12	10	4.6									
West	...	...	14	11	4.9	12	11	4.8	18	8	3.7	18	6	2.6	20	15	6.8	20	22	9.7	20	17	7.6	21	15	6.5									
East	...	...	7	8	3.5	7	4	1.6	8	9	4.1	—	0	—	7	5	2.1	0	—	—	4	3	1.5	4	4	1.9									
Calm (or wind- speed < 4 m.p.h.)			1	—	—	8	—	—	1	—	—	5	—	—	1	—	—	2	—	—	2	—	—	2	—	—									
No record	...		6	—	—	0	—	—	0	—	—	0	—	—	0	—	—	5	—	—	0	—	—	0	—	—									

* For Deerness the week ends at midnight on Friday.

III.—WARMTH, RAINFALL AND SUNSHINE FOR DISTRICTS.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. <i>See below.</i>		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
			0. Scotland. N.	1. Scotland. E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W. (and I. of Man).	7. England N.W. (and N. Wales).	8. England, S.W. (and S. Wales).	9. Ireland, N.	10. Ireland, S.	
Comparison with the normal for the time of year ..	Warmth ..	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Unusual	Unusual	
	Rainfall ..	Light	Moderate	Heavy	Very Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	
	Sunshine ..	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	—	Moderate	Moderate	Moderate	Scanty	Moderate	

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 4 weeks from Dec. 2nd, 1923.	Warmth ..	1, 2, 1	1, 1, 2	0, 2, 2	0, 3, 1	0, 3, 1	0, 3, 1	1, 1, 2	0, 3, 1	0, 3, 1	1, 2, 1	1, 2, 1	1, 3, 0
		1, 1, 2	0, 3, 1	1, 2, 1	2, 1, 1	1, 2, 1	1, 2, 1	1, 3, 0	1, 2, 1	1, 1, 2	1, 2, 1	1, 1, 2	2, 0, 2
		1, 3, 0	2, 2, 0	3, 1, 0	0, 4, 0	2, 2, 0	0, 4, 0	—	3, 1, 0	2, 2, 0	1, 3, 0	0, 3, 1	0, 3, 1

NOTE.

Explanatory Notes are given in the "Guide to the Tables contained in the Weekly Issues" published as pp. 1-3 of the present volume.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE FOR STATIONS.

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[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1890, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day			Ground Temperature.					
			Highest	Date	Lowest	Date	Mean for the Week			Deviation from Normal	No. of days of Precipitation	Rainfall in the Week	Deviation from Normal		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
							Of Daily Max.	Of Daily Min.	Adjusted Daily Mean									Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
0. SCOTLAND, N.																							
Shetlands	Lerwick	54	38	23, 29	27	26th	36.0	31.6	33.9	-5.9	5	0.24	6	Lerwick	0.6	11							
Orkneys	Deerness	160	46	23rd	26	25th	40.3	31.7	36.2	-3.5	4	0.85	22	Deerness	0.7	+0.2	12						
Hebrides	Stornoway	51	43	29th	28	25th	38.7	32.4	35.7	-4.1	4	0.58	15	Stornoway	0.6	0.0	9						
	Castlebay	37	46	27th	34	25th	42.6	37.6	40.2	—	7	1.13	29	Castlebay	1.6	24							
Caithness	Wick	81	41	29th	23	25th	38.4	30.3	34.5	-4.2	4	1.22	31										
Ross and Cromarty	Strathpeffer	125	38	23rd	25	26th	35.3	29.1	32.3	-5.2	2	0.36	9										
	Achnashellach	225	45	23rd	19	25th	37.3	29.3	33.5	—	5	0.55	14	Achnashellach	—	7	10						
Inverness	Inverness	242	37	23, 27, 29	24	26th	35.3	28.7	32.1	—	6	0.56	14	Inverness	0.3	4	5	8					
	Fort Augustus	68	44	29th	20	25th	37.0	27.4	32.4	-5.7	3	0.31	8										
	Onich	48	41	23rd	25	25th	38.7	30.7	34.9	—	5	1.06	27	Onich	1.0	16	7	15					
1. SCOTLAND, E.																							
Nairn	Nairn	82	38	23rd	27	25, 26	34.3	30.1	32.3	-5.0	7	0.52	13	Nairn	0.3	5							
Elgin	Gordon Castle	101	39	23rd	20	26th	35.3	27.9	31.8	-6.5	5	0.86	22	Gordon Castle	0.5	7							
Aberdeen	Aberdeen	46	38	23, 28	26	27th	35.6	30.1	33.0	—	6	0.92	23	Aberdeen	1.3	+0.3	20	5	22				
	Balmoral	930	36	29th	15	25th	33.0	22.3	27.9	-6.6	6	0.49	12	Balmoral	—	20	7				40.5	-0.9	
Perth	Crieff	478	40	23rd	23	25, 29	34.9	26.1	30.7	-6.5	5	0.70	18	(Kinc.) Crathes	—	7							
Forfar	Dundee	147	39	23rd	25	29th	36.4	28.0	32.4	—	3	0.77	20	Dundee	1.3	19	7	18	34.4				
Fife	Inchkeith	190	41	23rd	30	25, 26, 29	37.1	32.4	34.8	—	5	0.63	16	Inchkeith	1.0	14							
Midlothian	Edinburgh	441	39	23, 26, 30	27	24, 25	36.7	29.1	33.1	-5.4	5	0.48	12	Edinburgh	0.9	-0.3	13	6	18				
Peebles	West Linton	770	47	23rd	18	29th	36.1	26.6	31.5	-3.0	5	0.73	19	West Linton	—	13	7	12					
Berwick	Marchmont	498	39	23rd	23	25th	36.0	27.4	31.9	-4.8	3	0.96	24	Marchmont	1.0	+0.1	15						
2a. SCOTLAND, W.																							
Argyle	Ford	140	41	23, 29	21	25th	38.4	30.1	34.4	—	6	1.41	36	Ford	—	7	19	37.5			41.9	—	
Renfrew	Renfrew	49	41	23, 24	13	29th	37.0	28.0	32.7	—	5	0.97	25	Renfrew	1.8	26	4	10					
Bute	Ruthesay	200	41	24, 29	30	25th	38.7	32.4	35.7	-4.3	5	1.34	34	Ruthesay	2.0	29	4	23	36.1			42.4	
Ayr	Kilmarnock	90	42	23rd	24	25, 26	38.3	29.6	34.1	-4.3	5	1.00	25	Kilmarnock	1.4	20			36.5			42.7	
	Colmonell	170	47	29th	22	25th	40.9	31.3	36.3	-3.6	5	2.00	51	Colmonell	—	3	18						
Dumfries	Dumfries	140	41	23rd	19	29th	37.0	27.0	32.2	-6.2	5	1.05	27	Dumfries	1.5	21	7	15	36.3	-2.6		41.7	
	Eskdalemuir	794	38	23rd	13	25, 26	33.9	25.3	29.8	—	5	1.01	26	Eskdalemuir	1.4	20	6	28				-0.4	
3b. ISLE OF MAN.																							
I. of Man	Douglas	284	45	27th	28	25th	42.1	35.0	38.7	-2.9	6	2.66	68	Douglas	0.6	-0.4	8	2	22				
2. ENGLAND, N.E.																							
Northum-berland	Cockle Park	324	39	23rd	23	25th	34.7	27.4	31.2	-5.7	6	0.85	22	Cockle Park	1.3	-0.1	18	7	18	34.2	-2.9	39.4	-1.4
	Tynemouth	118	42	28th	26	25th	37.9	32.4	35.3	-3.5	5	0.57	15	Tynemouth	—	3	24						
Durham	Durham	336	39	23, 24	22	25th	36.0	27.9	32.1	-5.2	5	1.00	25	Durham	1.4	+0.1	19	6	14				
York	Rounton	249	39	23, 24	21	25th	36.7	27.9	32.5	-4.8	6	0.98	25	Rounton	—	7	10	35.3					
N. Riding	West Witton	605	39	24th	26	25, 29	36.3	29.6	33.1	—	5	1.03	26	West Witton	—	7	19	34.5				40.3	
	Scarborough	118	42	28th	29	25, 26	38.7	32.6	35.8	-3.2	6	0.96	24	Scarborough	1.3	+0.3	18	5	23			39.9	
	York	56	42	24th	25	25th	37.3	30.6	34.1	-4.1	6	1.25	32	York	1.4	+0.7	19	—		36.9	-3.3	41.8	
E. Riding	Spurn Head	26	41	28th	31	25th	37.9	33.1	35.6	-3.6	6	1.01	26	Spurn Head	1.5	21							
Lincoln	Lincoln	58	42	23rd	22	25th	38.4	29.6	34.2	-3.5	5	1.06	27	Lincoln	—	5	20	34.6	-4.4	40.8	-2.6		
	Cranwell	237	41	23, 24	25	25th	37.3	30.6	34.1	-3.7	4	1.20	31	Cranwell	1.8	+0.6	24	6	19				
	Skegness	—	—	—	—	—	—	—	—	—	—	—	—	Skegness	2.0	+0.5	27						
3. ENGLAND, E.																							
Norfolk	Cromer	196	42	24th	31	25, 27	39.2	33.7	36.6	-1.9	6	0.91	23	Cromer	2.1	+0.8	27						
	Yarmouth	13	41	28th	29	24, 25	37.9	32.3	35.2	-3.2	5	0.89	23	Yarmouth	2.1	29	4	24	37.1	-3.6	41.6	-3.6	
	Norwich	93	40	23, 24	26	26th	38.1	30.7	34.6	-3.2	6	1.21	31	Norwich	2.0	26	5	21	34.0				
	Geldeston	37	42	23rd	25	25th	39.2	30.4	35.0	-3.5	6	1.22	31	Geldeston	1.7	+0.5	23						
Cambridge	Cambridge	41	47	23rd	22	25th	42.1	30.3	36.4	+1.6	5	0.96	24	Cambridge	1.2	+0.1	16	5	17	36.8	-3.6	42.0	
Hertford	Rothamsted	420	48	27th	22	25th	41.7	31.0	36.6	-1.3	7	1.06	27	Rothamsted	1.7	+0.6	22	4	16	36.7			
Middlesex	Tottenham	51	49	28th	26	24th	44.7	33.9	39.5	—	5	1.13	29	Tottenham	0.9	11							
Essex	Clacton-on-Sea	54	47	28th	27	25th	40.3	33.3	36.9	-1.7	7	0.81	21	Clacton-on-Sea	1.8	+0.5	24	3	23	36.9	-4.8	42.4	
	Southend	90	—	—	25	25th	—	31.3	—	—	6	0.86	22	Southend	1.6	21	4	24	37.3				
4. MIDLAND COUNTIES.																							
York	Harrogate	470	39	23, 24	24	25th	36.7	29.0	33.0	-4.1	5	1.57	40	Harrogate	1.7	+0.6	24	4	18	36.7	-2.9	40.5	
W. Riding	Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	
Derby	Buxton	987	42	23rd	23	25th	38.4	29.3	34.0	-1.8	5	2.00	53	Buxton	1.0	14	5	15	34.5	-3.9	39.5		
Nottingham	Worksop	56	44	23rd	21	25th	38.6	28.6	33.8	-4.1	6	1.06	27	Worksop	1.2	+0.3	16	6	15	35.2		40.5	
	Nottingham	82	43	23rd	24	25th	38.0	32.7	35.5	-2.8	7	1.33	34	Nottingham	0.7	-0.1	9	4	23	35.1	-3.8	39.5	
Warwick	Birmingham (Edg.)	525	47	23rd	25	26th	40.6	33.3	37.1	-1.1	6	0.89	23	Birmingham	1.0	+0.2	13	2	10	38.6	-2.8	44.7	
Northampton	Oundle	147	45	27th	22	25th	41.1	29.7	35.6	—	6	1.08	27	Oundle	1.3	17	5	15	36.6			42.5	
Oxford	Oxford	208	51	28th	26	25th	46.0	33.0	39.8	+0.8	6	0.93	24	Oxford	1.9	+0.7	24	3	16				
Stafford	Cheadle	646	42	27th	23	25th	39.3	30.1	34.9	-2.0	6	2.16	55	Cheadle	—	6	14						
Worcester	Tenbury	313	49	27th	17	25th	45.0	30.3	37.9	-1.3	5	0.75	19	Tenbury	—	3	14	38.5					
	Malvern	377	44	23rd	27	25th	40.6	34.7	37.8	—	6	0.84	21	Malvern	2.1	27	2	19	37.9			41.7	
Hereford	Hereford	291	52	27th	20	25th	46.4	30.3	38.7	0.0	4	0.63	16	Ross on Wye	1.6	21	2	15	39.3			42.6	
Gloucester	Clifton	225	50	26, 27	27	25th	47.1	35.1	41.3	+1.0	7	1.14	29	Clifton	1.1	14	3	27					
5. ENGLAND, S.E.																							
London	Westminster	27	50	27th	25	25th	45.4	31.															

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge	Terminal Hours.	Temperature of the Air.* In Degrees Fahrenheit.								Rainfall				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day		Ground Temperature						
				Highest.	Date	Lowest.	Date	Mean for the Week			Deviation from Normal.	No. of days of Precipitation.	Rainfall in the week		Deviation from Normal.		Daily Mean	Deviation from Normal	Percentage of possible duration	Grass		Earth 1 ft.		Earth 4 ft.	
								Of Daily Max.	Of Daily Min.	Adjusted Daily Mean			in.	mm.						Ground Frosts	Lowest Reading	Mean	Deviation from normal	Mean	Deviation from normal
8a. SOUTH WALES.				Ft.		F.		F.		F.		F.		F.		Hr.	Hr.	%		F.	F.	F.	F.	F.	
Cardigan	Aberystwyth	16	h	47	26, 28, 29	28	25th	46.0	38.0	42.2	—	7	1.72	44	—	Aberystwyth	0.9	- 0.1	12	—	—	—	—	—	
Pembroke	St. Ann's Hd.	149	h	50	23, 25, 26	35	25th	48.9	42.9	46.0	+2.1	6	1.73	44	+19	St. Ann's Hd.	1.2	+0.1	16	—	—	—	—	—	
Radnor	Rhayader	757	a	50	27, 28	20	25th	46.1	30.4	38.6	—	7	1.60	41	—	Rhayader	0.7	—	9	2	8	—	—	—	
Glamorgan	Cardiff	202	p	51	28th	27	25th	48.3	35.3	42.1	+2.0	6	1.77	45	+18	Cardiff	1.4	—	18	2	18	40.5	- 1.0	43.9	- 1.5
8b. ENGLAND, S.W.																									
Somerset	Bath	66	h	52	27th	23	25th	45.0	35.7	40.5	+0.3	7	1.10	28	+10	Bath	1.2	+0.1	15	—	—	40.6	—	44.0	—
Dorset	Shaftesbury	722	a	49	25, 27	25	25th	45.6	32.9	39.5	+0.9	3	1.11	28	+ 8	Shaftesbury	—	—	—	—	—	—	—	43.7	—
Devon	Portland Bill	19	t	51	28th	33	25th	48.3	42.3	45.4	+1.6	6	0.99	25	+ 8	Weymouth	1.6	—	21	—	—	—	—	—	—
	Arlington	613	a	50	27th	26	25th	47.7	36.7	42.4	+2.2	7	3.53	90	+54										
	Cullompton	202	a	53	27th	24	25th	50.3	35.1	43.0	+2.4	7	1.74	44	+20	Cullompton	1.1	+0.1	14	4	17	43.1	—	—	—
Plymouth	Plymouth	116	p	52	24, 27	30	25th	50.6	41.1	46.0	+2.6	6	1.26	32	+ 5	Plymouth	2.2	+1.0	28	2	27	44.1	0.0	46.6	—
Cornwall	Newquay	190	h	52	27th	33	25th	48.5	42.9	45.8	+1.1	6	1.48	38	+14	Newquay	1.6	+0.3	20	—	—	45.8	—	47.1	—
	Falmouth	167	h	53	26th	35	25th	49.7	43.0	46.5	+2.1	6	1.53	39	+ 5	Falmouth	2.0	+0.6	25	2	29	45.5	—	46.4	—
9. IRELAND, N.																									
Donegal	Malin Head	71	t	48	27th	32	25th	45.3	37.0	41.3	- 0.4	6	2.28	58	+40	Malin Head	0.6	—	9	—	—	—	—	—	—
Mayo	Blackod Point	10	t	—	—	—	—	—	—	—	—	—	—	—	—										
Sligo	Mallarany	120	a	53	26th	35	25th	48.9	39.4	44.3	—	5	2.96	75	—	Mallarany	0.5	—	7	—	—	—	—	—	—
	Markree Castle	122	p	51	23, 28	25	25th	48.7	36.7	42.9	+2.9	7	1.38	35	+ 9	Markree Castle	0.5	- 0.4	7	2	18	42.4	+0.5	45.0	- 0.6
Armagh	Armagh	204	p	47	25th	26	25th	44.6	33.3	39.2	- 0.6	6	1.52	39	+22	Armagh	0.8	- 0.2	11	5	19	40.1	- 1.1	43.6	- 1.1
Down	Donaghadee	35	t	45	27, 28	28	25th	43.1	36.4	39.9	- 1.3	6	1.99	51	+34										
10. IRELAND, S.																									
Dublin	Dublin City	54	p	52	27, 28	30	25th	49.3	37.1	43.4	+1.0	6	0.83	21	+ 6	Trinity Coll.	—	—	4	23	41.8	- 0.4	44.0	- 1.2	
King's County	Birr Castle	175	t	51	25, 27	28	25th	47.4	37.7	42.7	+2.2	6	1.55	39	+19	Phoenix Park	0.7	- 0.6	10	2	18	—	—	—	—
Kilkenny	Kilkenny	195	a	52	26, 27	26	25th	49.0	35.9	42.7	+2.1	7	1.48	37	+16	Dublin City	—	—	3	25	—	—	—	—	—
Waterford	Waterford	137	a	57	24th	30	25th	51.4	38.3	45.1	+2.8	6	1.06	27	0	Birr Castle	1.0	- 0.2	14	2	20	—	—	—	—
	Seskin, Carrick-on-Suir	542	p	52	27, 28	30	25th	50.3	37.3	44.1	—	6	1.41	36	—	Seskin	1.4	—	19	2	23	—	—	—	—
Limerick	Foynes	50	a	53	26, 27	34	25th	51.0	40.6	46.0	+3.8	7	2.01	51	+23										
Kerry	Cahiriveen (Val.O.)	30	t	54	27th	41	29th	50.9	45.3	48.2	+3.0	7	1.66	42	+ 2	Cahiriveen (Valencia O.)	0.6	- 0.5	8	0	38	—	—	—	—
Cork	Killarney	174	a	55	26, 27	38	25th	52.0	42.6	47.5	+4.1	6	1.29	33	- 10	Ballinacurra	1.1	- 0.1	15	—	—	—	—	—	—
	Roche's Point	32	t	53	25, 26, 27	35	25th	50.6	42.6	46.8	+2.4	6	0.62	16	- 15										
11. CHANNEL ISLES & SCILLY.																									
Scilly	St. Mary's	131	t	52	24th	41	29th	50.6	46.3	48.5	+1.9	6	0.67	17	- 6	St. Mary's	1.2	- 0.5	15	—	—	—	—	—	—
Guernsey	Grange	173	p	53	27th	33	25th	51.1	42.3	46.9	+2.6	6	1.33	34	+13	Grange	2.6	+1.0	33	2	27	45.1	- 0.6	47.0	- 1.6
Jersey	St. Aubins	25	t	—	—	—	—	—	—	—	—	—	—	—	—	St. Heliers	—	—	—	—	—	—	—	—	—

* See footnote to previous page.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First Published 1914.]
Week ending at midnight (24h.) on Saturday, December 29th, 1923.

DISTRICT, COUNTY & STATION.	Height.			Distribution of Wind. ††								Extreme Velocities.														
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 38 m.p.h.		25 to 38 m.p.h.		13 to 24 m.p.h.	4 to 12 m.p.h.	Less than 4 m.p.h.	No Record.	Highest Hourly Wind.						Highest Gust.								
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.	Speed.	Time.										
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	o	m.p.h.	m/s.	d	hr.	m.m.h.	m/s.	d	hr.	m.	h.	m.			
Shetlands ...	310	42	†	—	0	23 to 25, 29	18	72	54	21	3	100	36	16	23	2	48	21	23	4	0	23	2	10		
Orkneys ...	188	16	5	—	0	22 to 24	18	53	57	6	34	300	31	14	22	16	—	—	—	—	—	—	—	—		
1. SCOTLAND, E.																										
Aberdeen ...	72	42	†	—	0	23	5	32	108	23	0	300	27	12	23	5	48	21	23	4	0	23	4	0		
Edinburgh ...	485	39	31	—	0	—	0	31	80	57	0	320	20	9	23	12	30	13	24	6	30	24	6	30		
6a. SCOTLAND, W.																										
Renfrew ...	188	81	15	—	0	23	1	16	85	66	0	300	24	11	23	4	49	22	23	3	0	23	3	0		
Dumfries ...	825	50	22	—	0	23	9	38	54	58	9	290	33	15	23	6	49	22	23	6	40	23	6	40		
2. ENGLAND, N.E.																										
Durham ...	72	61	12	—	0	25	1	71	77	19	0	130	25	11	25	24	38	17	24	15	0	24	15	0		
York, E.R. ...	67	41	†	—	0	23, 25	21	102	45	0	0	140	33	15	25	21	43	19	24	15	10	24	15	10		
Lincoln ...	280	43	31	—	0	—	0	62	80	26	0	310	23	10	23	12	27	12	23	12	0	23	12	0		
3. ENGLAND, E.																										
Norfolk ...	52	42	†	—	0	24 to 26, 28	12	67	85	4	0	170	37	17	25	23	49	22	25	23	0	25	23	0		
Essex ...	103	90	†	—	0	23, 25, 28	7	76	73	12	0	190	29	13	25	21	44	20	28	8	45	28	8	45		
5. ENGLAND, S.E.																										
Surrey ...	82	65	22	—	0	—	0	21	89	58	0	350	18	8	28	9	35	15	23	11	35	23	11	35		
Kent ...	409	70	†	—	0	23, 25, 28	13	68	83	4	0	10	34	15	28	10	50	22	28	9	50	28	9	50		
Surrey ...	284	40	24	—	0	25	1	40	105	22	0	190	26	12	25	20	41	18	25	20	55	25	20	55		
Hampshire ...	811	42	†	—	0	—	0	61	96	6	5	340	25	11	28	9	40	18	28	8	10	28	8	10		
Hampshire ...	444	160	—	—	0	23, 25, 28	10	84	73	1	0	330 } 210 }	30	13	{ 23 12 25 20 }	50	22	23	11	35	23	11	35	23	11	35
Wiltshire ...	513	63	43	—	0	23, 25, 26, 28	24	78	60	6	0	300	33	15	26	2	42	19	28	7	35	28	7	35		
7a. ENGLAND, N.W.																										
Lancashire ...	109	44	—	—	0	23, 24	19	54	71	24	0	310	35	16	23	7	48	21	24	11	0	24	11	0		
Lancashire ...	80	62	48	—	0	23, 24	21	64	72	11	0	320	36	16	23	7	47	21	23	6	55	23	6	55		
7b. NORTH WALES.																										
Anglesey ...	64	45	†	—	0	23 to 28	43	79	39	7	0	290	36	16	23	3	50	22	23	2	55	23	2	55		
8b. ENGLAND, S.W.																										
Devon ...	185	88	2	—	0	23, 25 to 28	14	74	57	17	6	—	33	15	28	8	58	26	28	7	55	28	7	55		
Cornwall ...	256	65	24	27	1	23 to 28	54	53	44	16	0	240	39	17	27	24	56	25	23	7	50	23	7	50		
10. IRELAND, S.																										
Dublin ...	49	27	—	—	0	23, 25 to 28	31	71	50	16	0	260	31	14	25	22	—	—	—	—	—	—	—	—		
Clare ...	100	40	†	—	0	25 to 28	10	98	53	7	0	—	28	13	28	2	45	20	28	2	10	28	2	10		
Kerry ...	98	41	†	—	0	25 to 28	16	103	40	9	0	340	34	15	23	2	57	25	28	2	10	28	2	10		
Cork ...	160	30	†	28	1	23, 28	8	68	74	17	0	—	41	18	28	4	64	29	28	4	0	28	4	0		
11a. SCILLY ISLES.																										
Scilly ...	150	32	†	23, 24, 26 to 28	18	23 to 29	71	83	15	15	16	—	49	22	28	7	64	29	28	0	25	28	0	25		

†† Brackets () indicate that the distribution as between winds above and below 4 m.p.h. is doubtful, but the total number of hours with winds below 12 m.p.h. is reliable.
 ‡ Direction from the Robinson Anemometer at Falmouth Observatory. **For Deerness the week ends at midnight on Friday.
 *From a new tube anemometer from which records commenced on 14th December.

‡Standard mounting.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1923—December 23rd to December 29th, 1923.																				
DISTRICTS. (See Frontispiece map.)		Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.	
		At any "D.V." Station		Means of				Accumulated Number of Day-Degrees				Number of Days of Precipitation	Deviation from Normal	Total Fall		Deviation from Normal	Daily Mean	Devia- tion from Normal		Percentage of Possible Duration
				Highest	Lowest	Daily Max.	Daily Min.	Adjusted Daily Mean	Devia- tion from Normal	Above 42°	Devia- tion from Normal			Below 42°	Devia- tion from Normal					
0. SCOTLAND, NORTH .. Eastern.		45	19	37.3	30.1	33.9	- 4.9	day- deg. F. 0	day- deg. F. - 6	day- deg. F. 57	day- deg. F. + 27	4	- 1	0.62	16	mm. - 16	hr. 0.5	hr. 0.0	% 8	mb. 1009
1. SCOTLAND, EAST ..		47	15	35.2	27.9	31.7	- 5.7	0	- 5	72	+ 33	5	+ 1	0.73	18	+ 2	0.9	0.0	14	1009
2. ENGLAND, N.E. ..		42	21	37.2	30.2	33.9	- 4.7	0	- 7	57	+ 26	5	+ 1	0.99	25	+ 14	1.5	+ 0.4	21	1010
3. ENGLAND, EAST ..		49	22	40.4	31.9	36.3	- 2.0	0	- 8	40	+ 7	6	+ 2	1.02	26	+ 14	1.7	+ 0.5	22	1009
4. MIDLAND COUNTIES ..		52	17	41.9	31.2	36.8	- 1.5	0	- 9	36	+ 1	6	+ 2	1.15	29	+ 14	1.3	+ 0.3	17	1011
5. ENGLAND, S.E. ..		51	18	44.5	33.9	39.4	- 0.9	7	- 5	25	0	6	+ 2	1.19	30	+ 14	1.8	+ 0.6	23	1011
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		47	13	38.9	30.5	34.9	- 5.1	0	- 9	50	+ 26	5	0	1.49	38	+ 8	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		51	23	42.0	33.6	38.0	- 1.9	0	- 10	28	+ 3	6	+ 2	1.40	36	+ 17	1.0	0.0	13	1011
8. ENGLAND, S.W. (and South Wales) ..		53	20	48.1	37.5	43.0	+ 1.1	20	+ 4	13	- 4	6	+ 1	1.64	42	+ 15	1.4	+ 0.2	18	1013
9. IRELAND, NORTH ..		51	25	46.2	36.3	41.4	+ 0.5	12	0	16	- 4	6	+ 1	1.67	42	+ 20	0.7	- 0.3	9	1010
10. IRELAND, SOUTH ..		57	26	50.2	40.0	45.3	+ 2.5	29	+ 9	6	- 8	6	+ 1	1.31	33	+ 5	0.9	- 0.4	12	1014
11. CHANNEL ISLANDS (and Scilly) ..		53	33	50.9	43.6	47.4	+ 2.0	38	+ 9	0	- 5	6	+ 1	1.11	28	+ 5	2.2	+ 0.5	27	1015
MEAN: DISTRICTS 1-10		57	13	42.5	33.3	38.1	- 1.8	7	- 4	34	+ 8	6	+ 1	1.26	32	+ 12	1.2	+ 0.1	17	1011
THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, December 2nd to December 29th, 1923.																				
0. SCOTLAND, NORTH ..		55	19	42.3	34.5	38.5	- 0.5	17	- 13	116	+ 7	22	0	5.00	127	- 13	0.7	+ 0.1	11	1007
Eastern.																				
1. SCOTLAND, EAST ..		53	15	40.7	32.4	36.7	- 1.2	12	- 14	159	+ 19	20	+ 3	2.51	63	- 8	1.4	+ 0.4	21	1009
2. ENGLAND, N.E. ..		54	21	41.2	33.1	37.3	- 2.1	9	- 25	140	+ 32	15	- 1	2.06	52	0	1.7	+ 0.5	23	1013
3. ENGLAND, EAST ..		51	22	42.5	33.2	38.0	- 1.5	9	- 32	122	+ 9	17	0	2.15	54	+ 2	1.4	+ 0.1	18	1014
4. MIDLAND COUNTIES ..		53	17	43.6	33.0	38.5	- 0.7	19	- 23	115	- 7	16	- 1	2.04	52	- 10	1.5	+ 0.4	19	1014
5. ENGLAND, S.E. ..		54	18	45.1	34.8	40.1	- 1.2	35	- 27	86	+ 5	18	+ 2	2.36	60	- 12	1.7	+ 0.3	21	1015
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		55	13	43.4	34.2	39.0	- 1.5	27	- 17	111	+ 30	22	+ 3	4.60	116	- 13	—	—	—	1011
7. ENGLAND, N.W. (and North Wales) ..		56	22	44.1	36.2	40.3	- 0.4	25	- 23	71	- 13	21	+ 3	3.03	77	- 8	1.4	+ 0.4	19	1013
8. ENGLAND, S.W. (and South Wales) ..		53	20	46.7	37.7	42.4	- 0.3	60	- 17	49	- 6	20	+ 1	3.23	83	- 33	1.8	+ 0.4	23	1016
9. IRELAND, NORTH ..		53	25	46.3	37.7	42.2	+ 0.9	56	+ 3	50	- 23	23	+ 2	3.74	94	+ 1	1.4	+ 0.2	20	1013
10. IRELAND, SOUTH ..		57	26	48.1	39.0	43.7	+ 0.6	83	- 2	34	- 20	19	- 1	3.02	76	- 32	1.4	- 0.1	13	1017
11. CHANNEL ISLANDS (and Scilly) ..		53	33	49.8	42.6	46.3	+ 0.1	123	- 10	2	- 13	22	+ 1	2.97	76	- 23	1.8	0.0	22	1018
MEAN: DISTRICTS 1-11		57	13	44.2	35.1	39.8	- 0.7	33	- 18	94	+ 2	19	+ 1	2.87	73	- 11	1.5	+ 0.3	20	1013
THE YEAR. Aggregates, &c., for the Period of 52 Weeks, December 31st, 1922, to December 29th, 1923.																				
0. SCOTLAND, NORTH ..		80	19	50.6	40.7	45.5	- 0.1	1820	- 234	566	- 166	260	+ 14	58.39	1482	+ 181	3.1	0.0	25	1007
Eastern.																				
1. SCOTLAND, EAST ..		82	12	51.1	39.6	45.2	- 0.6	1919	- 338	767	- 96	237	+ 30	33.91	865	+ 76	3.4	- 0.2	27	1008
2. ENGLAND, N.E. ..		91	20	53.2	41.6	47.2	- 0.3	2488	- 145	585	- 49	195	+ 7	25.12	641	+ 10	3.9	- 0.1	32	1011
3. ENGLAND, EAST ..		94	12	55.5	42.7	48.9	+ 0.4	2994	- 31	497	- 164	180	- 4	23.43	593	- 12	4.3	0.0	35	1013
4. MIDLAND COUNTIES ..		95	16	55.0	41.6	48.1	+ 0.1	2782	- 123	571	- 150	196	+ 13	29.65	754	+ 76	3.5	- 0.3	29	1013
5. ENGLAND, S.E. ..		93	15	56.2	43.4	49.6	0.0	3175	- 101	415	- 82	184	+ 5	29.27	744	+ 44	4.5	0.0	37	1013
Western.																				
6. SCOTLAND, WEST (and Isle of Man) ..		86	13	52.6	41.4	46.8	- 0.6	2287	- 251	523	- 29	248	+ 30	56.65	1433	+ 233	—	—	—	1010
7. ENGLAND, N.W. (and North Wales) ..		89	19	53.4	43.3	48.2	- 0.1	2623	- 160	368	- 136	231	+ 30	39.47	1003	+ 106	3.6	- 0.3	29	1011
8. ENGLAND, S.W. (and South Wales) ..		93	15	55.2	44.1	49.5	0.0	3010	- 125	293	- 91	210	+ 8	40.74	1036	+ 41	4.1	- 0.2	33	1013
9. IRELAND, NORTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.4	- 0.1	27	1010
10. IRELAND, SOUTH ..		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1013
11. CHANNEL ISLANDS (and Scilly) ..		90	32	56.8	47.7	52.1	0.0	3703	- 97	31	- 88	220	+ 9	37.70	958	+ 119	4.7	- 0.4	39	1015
MEAN: DISTRICTS 1-10		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1011
		°F.	°F.	°F.	°F.	°F.	°F.	Day- deg. F.	Day- deg. F.	Day- deg. F.	Day- deg. F.			in.	mm.	mm.	hr.	hr.	%	mb.